



# PRICE LIST

EFFECTIVE SEPTEMBER 1, 2018

Prices and products subject to change without notice



## Submersible Pumping Systems

Variable Speed Submersible Turbine Pumps

Intelligent Submersible Turbine Pump Model Designation System

### Fixed Speed Submersible Turbine Pumps

2 hp

1½ hp

1/3 and 3/4 hp

### Advanced Protection STP Model Designation System

Advanced Protection Submersible Turbine Pumps

Factory Installed Options

Field Installed Options

### Fixed Length STP Model Designation System

Fixed Length Submersible Turbine Pumps

Factory Installed Options

Field Installed Options

MLD+ Mechanical Line Leak Detector

MLD+ Repair Parts and Accessories

STP-SCI Single-Phase Smart Controller

STP-DHI Dispenser Hook Isolation

DHI Repair Parts and Accessories

Single-Phase Control Box

STP-CBS Repair Parts and Accessories

Intake Filter Screen

Model 65 PSI Relief Check Valve

Secondary Syphon Kit

Replacement Parts

### High Capacity STP Model Designation System

High Capacity Turbine Pumps

Factory Installed Options

Field Installed Options

6" STP Extractable

High Capacity Mechanical Leak Detectors

STP-SCIII Three-Phase Smart Controller

Replacement Pump Motor Assemblies

Syphon System

STP3 and STP5

### Diesel Exhaust Fluid Pump Motor Assembly Model Designation System

60 Hertz DEF PMA

Variable Length Diesel Exhaust Fluid Submersible Turbine Pump Kits

Fixed Length Diesel Exhaust Fluid Submersible Turbine Pump Kits

## Service Station Hardware

### Defender Series™ Bundle Packages

Defender Series™ Model Number Reference Chart

Defender Series™ Bundle Packages Common Configurations

Multiport Packages Common Configurations

### Defender Series™ Model Number Reference Chart

1	Defender Series™ Spill Containers	38
1	Defender Series™ Replacement Spill Containers	39
3	Defender Series™ Spill Container Replacement Parts	39
	Defender Series™ Spill Container Tools	39
4	<b>EBW Series Grade Level Spill Containers</b>	40
5	EBW Series Grade Level Retrofit Spill Containers	40
7	12" Replacement Covers For Grade Level Spill Containers	40
9	EBW Series Below Grade Spill Containers	41
11	EBW Series Below Grade Retrofit Spill Containers	41
12	Replacement 18" Manway Covers	41
12	EBW® Series Spill Container Replacement Parts	41
13	<b>Defender Series Multiport Manways</b>	42
14	Defender Series Multiport Manways	43
15	Dual Point Fill Watertight Multi-port Sump Kits	44
15	Watertight Fiberglass Multi-port Sump Kit Accessories	45
15	Phil-Tite Multiport Manways	46
16	Sump Shield Kits and Accessories	46
16	Phil-Tite Replacement Spill Containers	47
17	Phil-Tite Replacement Parts	47
17	Spill Container Accessories	47
17	Cover Removal Tool	47
18	Defender Series™ Overfill Prevention Valve	48
18	Autolimiter® II Automatic Shut-Off Valve	49
19	Remote Fill Kits	49
19	782 Drop Tubes	49
19	Tank Bottom Protectors	49
20	Probe Cap and Adapter Kit	49
25	Sealing Dip Cap	49
26	<b>Shear Valves</b>	50
26	Emergency Shut-off Valve Accessories	50
26	Emergency Shut-off Valve Replacement Tops	50
26	<b>Flexible Connectors Model Number Reference Chart</b>	52
27	Flexible Connector Common Configurations	53
28	<b>Additional Flexible Connector Configurations</b>	54
29	EZ Fit System Flexible Connectors	55
29	EZ Fit System Accessories	55
30	Ball Valves	56
32	<b>Flexible Connector Isolation Accessories</b>	56
32	UPP™ Composite Manways	58
32	EBW 30", 36", 42" Composite Manways	58
32	EBW 36", 42" Aramid Composite Replacement Covers	59
33	EBW 12", 18" Composite Manways	59
	FLEX-ING 38", 42" Composite Manways	59
	Metallic Manways	61
	Probe Access and Monitoring Wells	62
34	Monitoring Well Equipment	62
34	<b>Underground Storage Tank Accessories</b>	63
35	<b>Aboveground Storage Tank Equipment</b>	63
36	<b>Service Station Hardware Accessories</b>	70
37	<b>Installation Tools</b>	71

## Piping & Containment Systems

XP Pressure and Suction Pipe

XP Marina/Aboveground

4" Ducting

### XP Clamshell Swivel Pipe Fittings

### XP Clamshell Non-Swivel Pipe Fittings

### Flexible Entry Boots

### Rigid Entry Boots- XP Pipe

Rigid Entry Boots- Electrical Conduit

Fusion Entry Boots

Split Test Boots

Clamshell Secondary Test Boots

Grade Level Transition Sleeve

Wall Transition Sleeve

### Sumps

Below Grade Transition Tank Sumps

Below Grade Intermediate Piping Sumps

Grade Level Transition Sump

4542 Series One-Piece Tank Sumps

4736 Series One-Piece Tank Sumps

42" and 48" Single Wall Cylindrical Turbine Sumps

42" Single and Double Wall Octagonal Turbine Sumps

48" Single and Double Wall Octagonal Turbine Sumps

Fiberglass Seam Adhesive Kit

30" Fiberglass Sump Shield Packages

Fiberglass Replacement Parts

Large Mouth Poly Dispenser Sumps

Large Mouth Poly Dispenser Sump Tops

Large Mouth Poly Dispenser Sump Bases

### Single and Double Wall Fiberglass Large Mouth Dispenser Sumps

3600 Series

4800 Series

Conduitless Entry Fiberglass Sump

Classic Dispenser Pan Sumps

Tank Fitting Adapters

Tank Manway Adapters

Stabilizer Bar Kits

Installation Tools

Swage Machine

### CableTight Wire Management Systems for UL Markets

### UPP Semi-Rigid Pipework Systems

### Dispenser Sumps

### Accessories

230v EF1 Handheld Electrofusion Welder

110v EF1 Electrofusion Welder

Pipe Cutter

Adjustable Rotary Scraper

Rotational Pipe Scraper Tools

Handheld Scraper

Wooden Mallet

72	UPP Pipe Clamps	100
72	UPP Electrofusion Entry Boot Clamps	100
73	UPP Hole Saws	100
73	Towing Head	100
74	Fiberglass Entry Boot Tools and Accessories	100
74	UPP Pipe and Fitting Markers	100
78	UPP Consumables Kit	101
80	Step Up Transformer	101
80	UPP Essentials Tool Kit	101
81	UPP Tools for 90 Series Termination Fittings	101
81	Miscellaneous	101
81	Flange Parts	101

## Dispensing Systems

		102
9961	Clean Air Separator	102
VP1000	Dispenser-Mounted Vacuum Source Kits	103
VP1000	Dispenser Mounted Vacuum Source Kits (Non-Inclusive)	104
	Universal Vapor and Electrical Kits	104
VP1000	Replacement Parts	105
VP1200	Series Self-Contained Suction Pump Dispenser-Mounted Vacuum Source	106
	<b>Stage II Vapor Recovery Nozzles</b>	107
400	Series ORVR Nozzle	107
600	Series Bootless Nozzle	107
800	Series ORVR Nozzle	108
900	Series EVR Certified Nozzle	108
	<b>Hoses and Accessories</b>	110
75	Series Healy Hose	110
	Dispenser Vapor Retrofit Kits	112
	Hose Accessories and Spare Parts	113
¾"	Low Permeation Vapor Recovery Hose Assembly	113
	HEALY FLEXSTEEL FUTURA Vapor Assist Hose Assembly for Metric Swivel X Metric Fixed	114
	<b>Stage II Vapor Recovery Central Vacuum Sources</b>	115
9000	Series Mini-Jet Central Vacuum Pump	115
VP500	Central Vacuum Vane Pump	115
	System Test Equipment	116
	<b>Nozzles, Swivels, Breakaways, &amp; Accessories</b>	117
	<b>Nozzle Accessories</b>	119
	<b>DEF Hanging Hardware</b>	120
	<b>Specialty Hose</b>	121
FLEX-ON™	Black Hardwall Hose Assembly- Fixed Ends	121
FLEX-ON™	Black Softwall Hose Assembly	122
FLEX-ON™	Marina Hose Assembly	123
FLEX-COLD	Cold Weather Hose	124
AGRI-FLEX	Farm Hose	124
E85	Ethanol Hose Assembly	125
E25	Ethanol Hose Assembly	125
FLEX-ING	Diesel Exhaust Fluid (DEF) Hose Assembly	126
	Conventional Low Permeation Hose Assembly	126
FLEX-ING™	Service Station Air Hose Assemblies	127

<b>Transport Systems</b>	<b>128</b>		
<b>Fuel and Vapor Transfer Solutions</b>	128		
Bottom Loading	128		
Vapor Recovery	128		
Overfill Prevention	128		
Product Drop Elbows	128		
Accessories	128		
API Bottom Loading Adapters	129		
API Bottom Loading Adapter Spare Parts	129		
Dust Cap	129		
<b>Air Interlock Valves</b>	130		
Three-Way Air Interlock Valves Parts List	130		
Three-Way Air Interlock Valves	130		
Six-Way Air Interlock Valves Parts List	130		
Six-Way Air Interlock Valves	130		
Air Interlock with Limit Switch Parts List	131		
Air Interlock with Limit Switch	131		
<b>Gravity Drop Adapters</b>	131		
<b>Vapor Check Valves</b>	132		
<b>Vapor Caps</b>	133		
<b>Attachments</b>	136		
<b>Emergency Valves</b>	137		
<b>Optic Control System</b>	140		
		System Sentinel AnyWare Site Licenses	161
		<b>Spare Parts</b>	162
		Accessories	165
<b>Fuel Management Systems</b>	<b>141</b>		
<b>EVO™ 550 and EVO™ 5000 Ordering Guide</b>	141		
<b>EVO™ 550 &amp; EVO™ 5000 Accessories</b>	143		
EVO™ 550 & EVO™ 5000 ATG Interface Modules	143		
TS-LS500 AutoLearn™ with Statistical Line Leak Detection	143		
Paper Supplies	144		
Secondary Containment Monitoring	144		
Upgrading Installed Fuel Management System ATGs	145		
<b>EVO™ 200 and EVO™ 400 Ordering Guide</b>	146		
EVO™ 200 & EVO™ 400 Hardware & Software	147		
Field Upgrades			
<b>TS-EMS Environmental Monitoring System Ordering Guide</b>	148		
TS-EMS Console Hardware and Software Options	148		
TS-EMS Fuel Management System Console Interface Modules	148		
<b>TS-LS300 AutoLearn™</b>	151		
TS-LS300, 115 VAC 50/60 Hz Models	151		
TS-LS300, 230 VAC 50/60 Hz Models	151		
Interface Cable	151		
<b>Digital Leak Detection and Inventory Control Probes</b>	152		
<b>Density Measurement</b>	153		
<b>Probe Installation Kits</b>	153		
Flex Probes	154		
<b>Discriminating &amp; Non-Discrimination Sensors</b>	156		
<b>Sensor Installation Accessories</b>	159		
<b>External Console Hardware</b>	160		
<b>Software</b>	161		





**Variable Speed Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

**STP XXXXX Y-A-B**

**STP** = Basic Model Designation

Note: Standard models up to 10% ethanol capable.

**XXXXX** = Factory Installed Options

STP model designations may include one or more of the following characters in alphabetical order:

F = Floating suction adapter (1 1/2" NPT female adapter)

K = Intake filter screen (IFS, factory installed to PMA)

M = Magshell™ (flow enhancing, expanded PMA shell)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

VS2 = 2 hp variable speed

VS4 = 4 hp variable speed

**A** = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

Note: VL2 models fit 94% of all known installation

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**Variable Speed Submersible Turbine Pumps (variable speed, variable length)**

Model	Description	Range Length	Model Length *	Without Riser	With Riser **
STPMVS2-VL1	2 hp variable speed with MagShell™	VL1	59'-87"	\$1,854.00	\$1,904.00
STPMVS2-VL2	2 hp variable speed with MagShell™	VL2	90'-151"	\$1,854.00	\$1,904.00
STPMVS2-VL3	2 hp variable speed with MagShell™	VL3	122'-213"	\$1,959.00	\$2,009.00
STPMVS4-VL1	4 hp variable speed with MagShell™	VL1	64'-92"	\$2,354.00	\$2,404.00
STPMVS4-VL2	4 hp variable speed with MagShell™	VL2	95'-156"	\$2,354.00	\$2,404.00
STPMVS4-VL3	4 hp variable speed with MagShell™	VL3	127'-218"	\$2,459.00	\$2,509.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly.
2. All above models are listed for fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
3. All models are supplied with a standard check valve unless factory option "R" or "W" is specified.
4. All above models can only be powered by a MagVFC™. 4 hp models require three-phase incoming power supply, 2 hp models can be supplied with single- or three-phase incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

\*\* For riser pipe lengths 31" to 60', \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen) factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (intelligent submersible turbine pump specific accessories)**

Model	Description	List
5874202800	MagVFC™, 2 hp or 4 hp variable frequency controller, one required per STP	\$1,134.00
400137908	Syphon check valve, alcohol-gasoline compatible (when ordered with STP)	\$71.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800300100	STP-DHL, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

**Variable Speed Conversion Kits**

Model	Description	List
400693901	Kit with 2 hp variable speed non-MagShell™ (PMA VS2) & MagVFC™	\$2,120.00
400693907	Kit with 2 hp variable speed with MagShell™ (PMA MVS2) & MagVFC™	\$2,120.00
402671901	Kit with 4 hp variable speed non-MagShell™ (PMA VS4) & MagVFC™	\$2,570.00
402671907	Kit with 4 hp variable speed with MagShell™ (PMA MVS4) & MagVFC™	\$2,570.00

Note: Kits include variable speed pump motor assembly, MagVFC™ variable frequency controller, four-wire contractor's plug and installation instructions. For upgrade of competitive 4" submersible turbine pumps, additional competitive parts may be required.



### **Intelligent Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

#### **IST XXXXX Y-A-B**

**IST** = Basic Model Designation \*\*

Note: All IST models include alcohol-gasoline compatibility (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel), variable speed and variable length as part of the base model.

**XXXXX** = Factory Installed Options

IST model designations may include one or more of the following characters in alphabetical order:

F = Floating suction adapter (1 1/2" NPT female adapter)

K = Intake filter screen (IFS, factory installed to PMA)

M = Magshell™ (flow enhancing, expanded PMA shell)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating\*\*

VS4 = 4 hp variable speed

\*\* Note: If not otherwise specified, 2 hp variable speed is implied.

**A** = Model Length

1 = 2 hp variable length, 59"-87"

2 = 2 hp variable length, 90"-151"

3 = 2 hp variable length, 122"-213"

VL1 = 4 hp variable length, 64"-92"

VL2 = 4 hp variable length, 95"-156"

VL3 = 4 hp variable length, 127"-218"

Note: IST-2 and ISTVS4-VL2 models fit 94% of all known installations

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**Intelligent Submersible Turbine Pumps (variable speed, variable length, AG compatible)**

Model	Description	Range Length	Model Length *	Without Riser	With Riser **
ISTM 1	2 hp AG variable speed with MagShell™	VL1	59'-87"	\$2,249.00	\$2,299.00
ISTM 2	2 hp AG variable speed with MagShell™	VL2	90'-151"	\$2,249.00	\$2,299.00
ISTM 3	2 hp AG variable speed with MagShell™	VL3	122'-213"	\$2,354.00	\$2,404.00
ISTMVS4-VL1	4 hp AG variable speed with MagShell™	VL1	64'-92"	\$2,749.00	\$2,799.00
ISTMVS4-VL2	4 hp AG variable speed with MagShell™	VL2	95'-156"	\$2,749.00	\$2,799.00
ISTMVS4-VL3	4 hp AG variable speed with MagShell™	VL3	127'-218"	\$2,854.00	\$2,904.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly.
2. All above models are listed for compatibility with fuel mixtures containing diesel fuels with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
3. All models are supplied with a standard check valve unless factory option "R" is specified.
4. All above models can only be powered by a MagVFC™. 4 hp models require three-phase incoming power supply, 2 hp models can be supplied with single- or three-phase incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

\*\* For riser pipe lengths 31" to 60", \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen) factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (intelligent submersible turbine pump specific accessories)**

Model	Description	List
5874202800	MagVFC™, 2 hp or 4 hp variable frequency controller, one required per IST	\$1,134.00
400137908	Syphon check valve, alcohol-gasoline compatible (when ordered with IST)	\$71.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded ISTs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one IST)	\$173.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

**Variable Speed Conversion Kits (AG compatible)**

Model	Description	List
400693905	Kit with AG compatible 2 hp variable speed non-MagShell™ (PMAAGVS2) & MagVFC™	\$2,350.00
400693906	Kit with AG compatible 2 hp variable speed with MagShell™ (PMAAGMVS2) & MagVFC™	\$2,350.00
402671905	Kit with AG compatible 4 hp variable speed non-MagShell™ (PMAAGVS4) & MagVFC™	\$2,800.00
402671906	Kit with AG compatible 4 hp variable speed with MagShell™ (PMAAGMVS4) & MagVFC™	\$2,800.00

Note: Kits include variable speed pump motor assembly, MagVFC™ variable frequency controller, four-wire contractor's plug and installation instructions. For upgrade of competitive 4" submersible turbine pumps, additional competitive parts may be required.



## **2 hp Fixed Speed Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

### **STP XXXXX Y-A-B**

**STP** = Basic Model Designation

**XXXXX** = Factory Installed Options

STP model designations may include one or more of the following characters in alphabetical order:

AG = Alcohol-gasoline compatible (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel)

Note: Standard models up to 10% ethanol capable.

F = Floating suction adapter (1 1/2" NPT female adapter)

H = High pressure (45 psi deadhead output)

K = Intake filter screen (IFS, factory installed to PMA)

M = Magshell™ (flow enhancing, expanded PMA shell)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

200 = 2 hp fixed speed

**A** = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

Note: VL2 models fit 94% of all known installation

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**2 hp Fixed Speed Submersible Turbine Pumps**

Model	Description	Range Length	Model Length *	Without Riser	With Riser **
STPM200-VL1	2 hp fixed speed with MagShell™	VL1	63"-91"	\$2,605.00	\$2,655.00
STPM200-VL2	2 hp fixed speed with MagShell™	VL2	94"-154"	\$2,605.00	\$2,655.00
STPM200-VL3	2 hp fixed speed with MagShell™	VL3	126"-217"	\$2,710.00	\$2,760.00
STPHM200-VL1	2 hp HI-PSI fixed speed with MagShell™	VL1	63"-92"	\$2,665.00	\$2,715.00
STPHM200-VL2	2 hp HI-PSI fixed speed with MagShell™	VL2	94"-155"	\$2,665.00	\$2,715.00
STPHM200-VL3	2 hp HI-PSI fixed speed with MagShell™	VL3	126"-218"	\$2,770.00	\$2,820.00
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	VL1	63"-91"	\$3,000.00	\$3,050.00
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	VL2	94"-154"	\$3,000.00	\$3,050.00
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	VL3	126"-217"	\$3,105.00	\$3,155.00
STPAGHM200-VL1	2 hp AG HI-PSI fixed speed with MagShell™	VL1	63"-92"	\$3,060.00	\$3,110.00
STPAGHM200-VL2	2 hp AG HI-PSI fixed speed with MagShell™	VL2	94"-155"	\$3,060.00	\$3,110.00
STPAGHM200-VL3	2 hp AG HI-PSI fixed speed with MagShell™	VL3	126"-218"	\$3,165.00	\$3,215.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly.
2. STP models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE or 17% TAME with gasoline. STPAG models are listed for compatibility with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
3. All models are supplied with a standard check valve unless factory option "R" is specified.
4. All above models require single-phase, 208-230 VAC, 60 Hz incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

\*\* For riser pipe lengths 31" to 60', \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (2 hp fixed speed specific accessories)**

Model	Description	List
400137908	Syphon check valve (when ordered with STP)	\$71.00
400818921	STP-CBS, single-phase control box with lockout switch, 120 Volt coil	\$163.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> ) *	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory wired STP-CBS	\$536.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> ) *	\$299.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs



### **1 1/2 hp Fixed Speed Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

#### **STP XXXXX Y-A-B**

**STP** = Basic Model Designation

**XXXXX** = Factory Installed Options

STP model designations may include one or more of the following characters in alphabetical order:

AG = Alcohol-gasoline compatible (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel)

Note: Standard models up to 10% ethanol capable.

F = Floating suction adapter (1 1/2" NPT female adapter)

H = High pressure (45 psi deadhead output)

K = Intake filter screen (IFS, factory installed to PMA)

\*R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

150 = 1 1/2 hp fixed speed

**A** = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

Note: VL2 models fit 94% of all known installation

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**1½ hp Fixed Speed Submersible Turbine Pumps**

Model	Description	Range Length	Model Length*	Without Riser	With Riser **
STP 150-VL1	1½ hp fixed speed	VL1	60"-88"	\$2,245.00	\$2,295.00
STP 150-VL2	1½ hp fixed speed	VL2	91"-152"	\$2,245.00	\$2,295.00
STP 150-VL3	1½ hp fixed speed	VL3	123"-214"	\$2,350.00	\$2,400.00
STPH150-VL1	1½ hp HI-PSI fixed speed	VL1	61"-89"	\$2,305.00	\$2,355.00
STPH150-VL2	1½ hp HI-PSI fixed speed	VL2	92"-152"	\$2,305.00	\$2,355.00
STPH150-VL3	1½ hp HI-PSI fixed speed	VL3	124"-215"	\$2,410.00	\$2,460.00
STPAG 150-VL1	1½ hp AG fixed speed	VL1	60"-88"	\$2,640.00	\$2,690.00
STPAG 150-VL2	1½ hp AG fixed speed	VL2	91"-152"	\$2,640.00	\$2,690.00
STPAG 150-VL3	1½ hp AG fixed speed	VL3	123"-214"	\$2,745.00	\$2,795.00
STPAGH150-VL1	1½ hp AG HI-PSI fixed speed	VL1	61"-89"	\$2,700.00	\$2,750.00
STPAGH150-VL2	1½ hp AG HI-PSI fixed speed	VL2	92"-152"	\$2,700.00	\$2,750.00
STPAGH150-VL3	1½ hp AG HI-PSI fixed speed	VL3	124"-215"	\$2,805.00	\$2,855.00

**Notes:**

1. STP models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, 20% MTBE, 20% ETBE or 17% TAME with gasoline. STPAG models are listed for compatibility with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.

2. All models are supplied with a standard check valve unless factory option "R" is specified.

3. All above models require single-phase, 208-230 VAC, 60 Hz incoming power.

4. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

\*\* For riser pipe lengths 31" to 60", \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (1½ hp fixed speed specific accessories)**

Model	Description	List
400137908	Syphon check valve (when ordered with STP)	\$71.00
400818921	STP-CBS, single-phase control box with lockout switch, 120 Volt coil	\$163.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> ) *	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory wired STP-CBS	\$536.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> ) *	\$299.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs



### **1/3 and 3/4 hp Fixed Speed Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

#### **STP XXXXX Y-A-B**

**STP** = Basic Model Designation

**XXXXX** = Factory Installed Options

STP model designations may include one or more of the following characters in alphabetical order:

AG = Alcohol-gasoline compatible (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel)

Note: Standard models up to 10% ethanol capable.

F = Floating suction adapter (1 1/2" NPT female adapter)

K = Intake filter screen (IFS, factory installed to PMA)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

33 = 1/3 hp fixed speed

75 = 3/4 hp fixed speed

**A** = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

Note: VL2 models fit 94% of all known installation

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps**

Model	Description	Range Length	Model Length *	Without Riser	With Riser **
STP33-VL1	1/3 hp fixed speed	VL1	55'-83"	\$1,719.00	\$1,769.00
STP33-VL2	1/3 hp fixed speed	VL2	86"-147"	\$1,719.00	\$1,769.00
STP33-VL3	1/3 hp fixed speed	VL3	118'-209"	\$1,824.00	\$1,874.00
STP75-VL1	3/4 hp fixed speed	VL1	57'-86"	\$1,778.00	\$1,828.00
STP75-VL2	3/4 hp fixed speed	VL2	88'-149"	\$1,778.00	\$1,828.00
STP75-VL3	3/4 hp fixed speed	VL3	120'-212"	\$1,883.00	\$1,933.00
STPAG33-VL1	1/3 hp AG fixed speed	VL1	55'-83"	\$2,114.00	\$2,164.00
STPAG33-VL2	1/3 hp AG fixed speed	VL2	86"-147"	\$2,114.00	\$2,164.00
STPAG33-VL3	1/3 hp AG fixed speed	VL3	118'-209"	\$2,219.00	\$2,269.00
STPAG75-VL1	3/4 hp AG fixed speed	VL1	57'-86"	\$2,173.00	\$2,223.00
STPAG75-VL2	3/4 hp AG fixed speed	VL2	88'-149"	\$2,173.00	\$2,223.00
STPAG75-VL3	3/4 hp AG fixed speed	VL3	120'-212"	\$2,278.00	\$2,328.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly.
2. STP models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE or 17% TAME with gasoline. STPAG models are listed for compatibility with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
3. All models are supplied with a standard check valve unless factory option "R" is specified.
4. All above models require single-phase, 208-230 VAC, 60 Hz incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

\*\* For riser pipe lengths 31" to 60", \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (1/3 and 3/4 hp fixed speed specific accessories)**

Model	Description	List
400137908	Syphon check valve (when ordered with STP)	\$71.00
400818921	STP-CBS, single-phase control box with lockout switch, 120 Volt coil	\$163.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> *)	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory wired STP-CBS	\$536.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> *)	\$299.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs



### **Advanced Protection Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

#### **STPAP XXXXX Y-A-B or ISTAP XXXXX Y-A-B**

**STPAP or ISTAP** = Basic Model Designation (IST for variable speed models)

AP = Advanced protection with coated exterior cast surfaces, stainless steel fasteners and piping, alcohol-gasoline compatible)

**XXXXX** = Factory Installed Options

Model designations may include one or more of the following characters in alphabetical order:

F = Floating suction adapter (1 1/2" NPT female adapter)

H = High pressure deadhead output (150 and 200 models only)

K = Intake filter screen (IFS, factory installed to PMA)

M = Magshell™ (flow enhancing, expanded PMA shell)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

33 = 1/3 hp fixed speed

75 = 3/4 hp fixed speed

150 = 1 1/2 hp fixed speed

200 = 2 hp fixed speed

VS2 = 2 hp variable speed (implied on IST models unless VS4 is specified)

VS4 = 4 hp variable speed (IST models only)

**A** = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**Advanced Protection Submersible Turbine Pumps (call Customer Service for lead times)**

Model	Description	Model Length *	Without Riser	With Riser **
ISTAPMVS4-VL1	4 hp AP variable speed with MagShell™	64"-92"	\$3,219.00	\$3,369.00
ISTAPMVS4-VL2	4 hp AP variable speed with MagShell™	95"-156"	\$3,219.00	\$3,369.00
ISTAPMVS4-VL3	4 hp AP variable speed with MagShell™	127"-218"	\$3,324.00	\$3,474.00
ISTAPM 1	2 hp AP variable speed with MagShell™	59"-87"	\$2,719.00	\$2,869.00
ISTAPM 2	2 hp AP variable speed with MagShell™	90"-151"	\$2,719.00	\$2,869.00
ISTAPM 3	2 hp AP variable speed with MagShell™	122"-213"	\$2,824.00	\$2,974.00
STPAPM200-VL1	2 hp AP fixed speed with MagShell™	63"-91"	\$3,470.00	\$3,620.00
STPAPM200-VL2	2 hp AP fixed speed with MagShell™	94"-154"	\$3,470.00	\$3,620.00
STPAPM200-VL3	2 hp AP fixed speed with MagShell™	126"-217"	\$3,575.00	\$3,725.00
STPAPHM200-VL1	2 hp AP HI-PSI fixed speed with MagShell™	63"-92"	\$3,530.00	\$3,680.00
STPAPHM200-VL2	2 hp AP HI-PSI fixed speed with MagShell™	94"-155"	\$3,530.00	\$3,680.00
STPAPHM200-VL3	2 hp AP HI-PSI fixed speed with MagShell™	126"-218"	\$3,635.00	\$3,785.00
STPAP150-VL1	1 1/2 hp AP fixed speed	60"-88"	\$3,110.00	\$3,260.00
STPAP150-VL2	1 1/2 hp AP fixed speed	91"-152"	\$3,110.00	\$3,260.00
STPAP150-VL3	1 1/2 hp AP fixed speed	123"-214"	\$3,215.00	\$3,365.00
STPAPH150-VL1	1 1/2 hp AP HI-PSI fixed speed	61"-89"	\$3,170.00	\$3,320.00
STPAPH150-VL2	1 1/2 hp AP HI-PSI fixed speed	92"-152"	\$3,170.00	\$3,320.00
STPAPH150-VL3	1 1/2 hp AP HI-PSI fixed speed	124"-215"	\$3,275.00	\$3,425.00
STPAP75-VL1	3/4 hp AP fixed speed	57"-86"	\$2,643.00	\$2,793.00
STPAP75-VL2	3/4 hp AP fixed speed	88"-149"	\$2,643.00	\$2,793.00
STPAP75-VL3	3/4 hp AP fixed speed	120"-212"	\$2,748.00	\$2,898.00
STPAP33-VL1	1/3 hp AP fixed speed	55"-83"	\$2,584.00	\$2,734.00
STPAP33-VL2	1/3 hp AP fixed speed	86"-147"	\$2,584.00	\$2,734.00
STPAP33-VL3	1/3 hp AP fixed speed	118"-209"	\$2,689.00	\$2,839.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly (where applicable).
  2. STPAP/ISTAP models are listed for compatibility with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
  3. All models are supplied with a standard check valve unless factory option "R" is specified.
  4. All above ISTAP models can only be powered by a MagVFC™. 4 hp models require three-phase incoming power supply, 2 hp models can be supplied with single- or three-phase incoming power.
  5. All above STPAP models require single-phase, 208-230 VAC, 60 Hz incoming power.
  6. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.
- \* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.
- \*\* For riser pipe lengths 31" to 60", \$150.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options**

Model	Description	List
5874202800	MagVFC™, 2 hp or 4 hp variable frequency controller, one required per IST	\$1,134.00
400137908	Syphon check valve (when ordered with STP)	\$71.00
400818921	STP-CBS, single-phase control box with lockout switch, 120 Volt coil	\$163.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> ) *	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory wired STP-CBS	\$536.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> ) *	\$299.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

**\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs**

Veeder-Root™ is a trademark of Danaher Corporation.

**Fixed Length Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

**STP XXXXX Y-A-B**

**STP** = Basic Model Designation

**XXXXX** = Factory Installed Options

STP model designations may include one or more of the following characters in alphabetical order:

AG = Alcohol-gasoline compatible (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel)

Note: Standard models up to 10% ethanol capable.

F = Floating suction adapter (1 1/2" NPT female adapter)

H = High pressure deadhead output (150 and 200 models only)

K = Intake filter screen (IFS, factory installed to PMA)

M = Magshell™ (flow enhancing, expanded PMA shell)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower Rating

33 = 1/3 hp fixed speed

75 = 3/4 hp fixed speed

150 = 1 1/2 hp fixed speed

200 = 2 hp fixed speed

**A** = Model Length

Model length is expressed as three numeric characters that indicate the length of the STP from the turbine manifold bottom to the pump motor inlet in inches available from 37" to 246" (additional charge for models 133" and longer).

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 7" to 60" in 1" increments (additional charge for risers 31" or longer).

**Fixed Length Submersible Turbine Pumps**

Model	Description	Model Length *	Without Riser	With Riser **
STP33	1/3 hp fixed speed	37"-132"	\$1,719.00	\$1,769.00
STP75	3/4 hp fixed speed	37"-132"	\$1,778.00	\$1,828.00
STP150	1½ hp fixed speed	37"-132"	\$2,245.00	\$2,295.00
STPH150	1½ hp HI-PSI fixed speed	37"-132"	\$2,305.00	\$2,355.00
STPM200	2 hp fixed speed with MagShell™	37"-132"	\$2,605.00	\$2,655.00
STPHM200	2 hp HI-PSI fixed speed with MagShell™	37"-132"	\$2,665.00	\$2,715.00

**Notes:**

1. Remove "M" from model number for non-MagShell™ pump motor assembly (2 Hp models only).
2. STP models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, 20% MTBE, 20% ETBE or 17% TAME with gasoline. STPAG models are listed for compatibility with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
3. All models are supplied with a standard check valve unless factory option "R" is specified.
4. All above models require single-phase, 208-230 VAC, 60 Hz incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.

\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet. Model length (A) can be a minimum of 37" to a maximum of 211". Add \$98.00 to list if model length (A) is 133" to 180" (charge is for boards to protect STP shipment, P/N 400326912). Add \$421.00 to list if model length (A) is 181" to 211" (charge is for crating STP, P/N 400326917). Add \$745.00 to list if model length (A) is 212" to 246" (charge is for extra crating of STP, P/N 400389112). Please call Customer Service for lead times of model lengths 181" and longer.

\*\* For riser pipe lengths 31" to 60', \$50.00 added charge applies. (Consult factory for lead times.)

**Factory Installed Options (specified in model number at time of STP order)**

Model	Description	List
AG	Alcohol-gasoline compatible	\$395.00
F	Floating suction adapter, 1½" NPT female, must be factory installed	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00
R	Model R check valve, factory installed, for Veeder-Root™ PLLD Line Leak	no adder

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options (fixed speed specific accessories)**

Model	Description	List
400137908	Syphon check valve(when ordered with STP)	\$71.00
400818921	STP-CBS, single-phase control box with lockout switch, 120 Volt coil	\$163.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> ) *	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory wired STP-CBS	\$536.00
402459931	Model 65 psi check valve (AG Compatible, for slave of manifolded STPs with Veeder-Root™ PLLD)	\$156.00
402507930	Secondary syphon kit (when two syphon primes are required for one STP)	\$173.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> ) *	\$299.00
5800300100	STP-DHI, dispenser hook isolation for 120 Volt dispenser handle switches, up to eight each	\$399.00

\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs

**MLD+ Mechanical Line Leak Detector (for use with 4" STPs) \***
**Standard Fuel Models**

Model	Description	List
403168901	STP-MLD+G for gas, single pack (blue cover, copper vent tube, brass fittings)	\$431.00
403168903	STP-MLD+G for gas, three pack	\$1,186.00
403170901	STP-MLD+D for diesel, single pack (gold cover, copper vent tube, brass fittings)	\$431.00
403170903	STP-MLD+D for diesel, three pack	\$1,186.00
403172903	STP-MLD+ Combo, three pack (contains two STP-MLD+G and one STP-MLD+D)	\$1,186.00

**Biofuel Models**

Model	Description	List
403169901	STP-MLD+AG for alcohol-gas, single pack (blue cover, stainless steel tube and fittings)	\$474.00
403169903	STP-MLD+AG for alcohol-gas, three pack	\$1,304.00
403171901	STP-MLD+BD for biodiesel, single pack (gold cover, stainless steel tube and fittings)	\$474.00
403171903	STP-MLD+BD for biodiesel, three pack	\$1,304.00

**Notes:**

1. MLD+G are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE, or 17% TAME with gasoline.
2. MLD+D models are listed for compatibility with diesel fuels with up to 5% biodiesel and kerosene applications only.
3. MLD+AG models are listed for fuel mixtures containing up to 85% ethanol with gasoline and 20% MTBE, 20% ETBE, or 17% TAME with gasoline as well as diesel fuels, fuel oils, kerosene, Avgas and jet fuels.
4. MLD+BD models are listed for diesel with up to 20% biodiesel or 100% biodiesel and kerosene applications only.
5. All above models will only mount in the 2" NPT leak detector port of a 4" submersible turbine, including competitive models, or in a leak detector adapter tee (sold separately below).
6. MLD+ models are listed for use with rigid pipelines up to 165.1 gallon capacity, with flexible pipelines up to 109.8 gallon capacity, and with combination rigid/flexible pipelines up to 274.9 gallon capacity.

\* Refer to STP-MLD+ installation manual for complete compatibility specifications.

**MLD+ Repair Parts and Accessories**

Model	Description	List
400440101	Vent tube (for use with MLD+G and MLD+D)	\$10.00
400449903	Hardware pack (fittings and documentation for MLD+G and MLD+D)	\$20.00
403123001	Vent tube, stainless steel (for use with MLD+AG and MLD+BD)	\$15.50
400449904	Hardware pack (fittings and documentation for MLD+AG and MLD+BD)	\$67.00
400518001	Leak detector adapter tee	\$98.00

**STP-SCI Single-Phase Smart Controller**

Model	Description	List
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased <b>with a 4" STP</b> )*	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory wired STP-SCI (when purchased without a 4" STP)	\$819.00
5800100215	STP-SCI, single-phase smart controller (when purchased <b>with a 4" STP</b> )*	\$299.00
5800100215	STP-SCI, single-phase smart controller (when purchased without a 4" STP)	\$454.00

**Notes:**

1. SCI models are compatible with all single-phase FE Petro submersibles and competitive makes.
2. One SCI required per submersible. Relay rated for 30 Amps (up to 2 hp).
3. SCI models are not compatible for use in master/slave configurations with STP-SC models.

**\* When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs**

**STP-DHI Dispenser Hook Isolation**

Model	Description	List
402312921	STP-DHI-SCI combo DHI with factory-wired STP-SCI (when purchased <b>with a 4" STP</b> )*	\$669.00
402312921	STP-DHI-SCI, combo DHI with factory-wired STP-SCI (when purchased without a 4" STP)	\$819.00
402313921	STP-DHI-CBS, combo DHI with factory-wired STP-CBS single-phase control box	\$536.00
5800300100	STP-DHI, isolates up to eight, 120 Volt dispenser handles	\$399.00

**Notes:**

1. DHI models are compatible with FE Petro submersible pump controllers and competitive pump controller makes accepting 120 Volt dispenser hook signal.
2. DHI models can be connected together for products with more than eight dispenser handle inputs.

**\* When purchasing STP-DHI-SCI in equal quantities of fixed speed 4" STPs**

**DHI Repair Parts and Accessories**

Model	Description	List
223243103	DHI fast-acting fuse, 250 VAC, 1 Amp	\$6.50
223885930	DHI circuit board, 120 Volt dispenser hook signal	\$403.00

**Single-Phase Control Box**

Model	Description	List
400818921	STP-CBS, single-phase control box, with switch and lockout, 120 Volt coil	\$163.00
402313921	STP-DHI-CBS, combo dispenser hook isolation with factory wired STP-CBS	\$536.00

**Notes:**

1. CBS models are compatible for use on all single-phase FE Petro submersibles and competitive makes.
2. One CBS required per submersible, relay rated for 30 Amps up to 2 hp.
3. Incorporates pump "ON" indicator light.
4. Relay rated for 220 Volt pumps up to 2 hp, 30 Amps.

**STP-CBS Repair Parts and Accessories**

Model	Description	List
403274001	Item #1 - Power switch (replaces 400575001)	\$46.00
400574001	Item #2 - Power switch bracket	\$11.00
400158001	Item #3 - Light assembly, 120 Volt (without terminals)	\$14.50
400215931	Item #4 - Relay, 30A, 120 Volt coil	\$74.00
400278006	Item #5 - Six position terminal strip	\$16.00
402410001	Item #6 - CBS terminal strip label	\$4.50
400817901	Item #7 - Cover and enclosure	\$49.00
400819001	Item #8 - CBS wiring diagram	\$5.00

**Intake Filter Screen (mounts to FE Petro or competitive 4" Pump Motors, adds about 1")**

Model	Description	List
400660901	Intake filter screen (single pack)	\$283.00
400660912	Intake filter screen (12 pack carton)	\$3,096.00

**Model 65 PSI Relief Check Valve**

Model	Description	List
402459931	Model 65 psi relief check valve (AG Compatible, for slave 4" STP in manifolded applications only)	\$156.00

**Secondary Syphon Kit (when two syphon primes required per one 4" STP)**

Model	Description	List
402507930	Secondary syphon kit	\$173.00

**Replacement Pump Motor Assemblies \***

Model	Description	List
PMA33	1/3 hp pump motor assembly (16" long)	\$637.00
PMA75	3/4 hp pump motor assembly (18 1/4" long)	\$721.00
PMA150	1 1/2 hp pump motor assembly (21" long)	\$942.00
PMAH150	1 1/2 hp high pressure pump motor assembly (21 3/4" long)	\$1,002.00
PMA200	2 hp pump motor assembly (23 3/4" long)	\$992.00
PMAM200	2 hp pump motor assembly with MagShell™ (23 3/4" long)	\$992.00
PMAH200	2 hp high pressure pump motor assembly (24 1/2" long)	\$1,052.00
PMAHM200	2 hp high pressure pump motor assembly with MagShell™ (24 1/2" long)	\$1,052.00

Note: Remove "M" from model number for non-MagShell™ pump motor assemblies.

**Replacement Alcohol-Gasoline (AG) Pump Motor Assemblies \***

Model	Description	List
PMAAG33	1/3 hp AG pump motor assembly (16" long)	\$867.00
PMAAG75	3/4 hp AG pump motor assembly (18 1/4" long)	\$951.00
PMAAG150	1 1/2 hp AG pump motor assembly (21" long)	\$1,172.00
PMAAGH150	1 1/2 hp AG high pressure pump motor assembly (21 3/4" long)	\$1,232.00
PMAAG200	2 hp AG pump motor assembly (23 3/4" long)	\$1,222.00
PMAAGM200	2 hp AG pump motor assembly with MagShell™ (23 3/4" long)	\$1,222.00
PMAAGH200	2 hp AG high pressure pump motor assembly (24 1/2" long)	\$1,282.00
PMAAGHM200	2 hp AG high pressure pump motor assembly with MagShell™ (24 1/2" long)	\$1,282.00

Note: Remove "M" from model number for non-MagShell™ pump motor assemblies.

**Replacement Variable Speed Pump Motor Assemblies \***

Model	Description	List
PMAMVS2	2 hp variable speed pump motor assembly with MagShell™ (20" long)	\$986.00
PMAAGMVS2	2 hp AG variable speed pump motor assembly with MagShell™ (20" long)	\$1,216.00
PMAMVS4	4 hp variable speed pump motor assembly with MagShell™ (25" long)	\$1,436.00
PMAAGMVS4	4 hp variable speed pump motor assembly with MagShell™ (25" long)	\$1,666.00

Note: Remove "M" from model number for non-MagShell™ pump motor assemblies.

**\* Factory Installed Options (specified in model number at time of PMA order)**

Model	Description	List
F	Floating Suction Adapter, 1 1/2" NPT Female connection	\$125.00
K	IFS (intake filter screen), factory assembled to pump motor assembly	\$165.00

**4" STP Extractable Sections (less manifold, riser and PMA)**

Model	Description	List
STPEXT-XXX	Fixed length extractable (XXX indicates Model Length, p/n 400394901) *	\$1,295.00
STPAGEXT-XXX	AG Fixed length extractable (XXX indicates Model Length, p/n 400394905) *	\$1,690.00
STPEXT-VL1	Variable length #1 extractable (p/n 402074901)	\$1,295.00
STPEXT-VL2	Variable length #2 extractable (p/n 402075902)	\$1,295.00
STPEXT-VL3	Variable length #3 extractable (p/n 402075903)	\$1,400.00
STPAGEXT-VL1	AG variable length #1 extractable (p/n 402201902)	\$1,690.00
STPAGEXT-VL2	AG variable length #2 extractable (p/n 402202902)	\$1,690.00
STPAGEXT-VL3	AG variable length #3 extractable (p/n 402203902)	\$1,795.00
STPAPEXT-VL1	AP variable length #1 extractable (p/n 403614901) **	\$2,160.00
STPAPEXT-VL2	AP variable length #2 extractable (p/n 403614902) **	\$2,160.00
STPAPEXT-VL3	AP variable length #3 extractable (p/n 402614903)**	\$2,265.00

\* Model length (XXX) defined as the dimension from turbine manifold bottom to pump motor inlet. Model length (A) can be a minimum of 37" to a maximum of 211", Fixed Length adders apply for Extractable Model Lengths 133" and longer (please call Customer Service for lead times of Extractables with a model length 181" and longer)

\*\* Please call Customer Service for lead times of AP Extractables

**Single-Phase Smart Controller (STP-SCI)**

Model	Description	List
225000930	Item #1 - SCI lower board control	\$264.00
225005930	Item #2 - SCI upper board relay	\$123.00

**STP-DHI Dispenser Hook Isolation Box**

Model	Description	List
223243103	Item #1 - 250 AC fast-acting fuse	\$6.50
223885930	Item #2 - 120 Volt circuit board (includes fuse)	\$403.00

**MagVFC™**

Model	Description	List
223919930	MagVFC™ fan assembly	\$147.00
225040930	MagVFC™ user interface board	\$394.00
228289930	MagVFC™ normally open relay	\$161.00

**PMA, Riser and Check Valve for Variable Length and Fixed Length Pumps**

Model	Description	List
400125001	Item #1 - 3/16" × 1-5/8" spiral pin	\$5.00
400615001	Item #2 - Manual pressure relief plug	\$12.00
400615002	Item #2 - Manual pressure relief plug (AG compatible)	\$13.00
400211114	Item #3 - O-ring, Manual pressure relief plug	\$4.50
400627001	Item #4 - Retaining ring, MPR	\$5.00
400616001	Item #5 - Manual pressure relief screw	\$17.00
400616002	Item #5 - Manual pressure relief screw (AG compatible)	\$20.00
400333012	Item #6 - MPR screw, top O-ring (AG compatible)	\$5.00
400333007	Item #7 - MPR screw, bottom O-ring (AG compatible)	\$4.50
400628901	Item #8 - Manual pressure relief plug assembly (includes item #2 & #3)	\$26.00
400628902	Item #8 - Manual pressure relief plug assembly (AG compatible)	\$27.00
400629901	Item #9 - Manual relief screw assembly (includes item #4, #5, #6, & #7)	\$28.00
400629902	Item #9 - Manual relief screw assembly (AG compatible)	\$30.00
400259001	Item #10 - 1/4" NPT pipe plug, may be purchased locally	\$4.50
403499001	Item #10 - 1/4" NPT pipe plug, may be purchased locally (stainless steel, AP models)	\$10.50
400137937	Item #11 - Syphon check valve	\$78.00
400221930	Item #12 - Discharge manifold (includes item #1, #8, #9, & #10)	\$408.00
400221931	Item #12 - AP Discharge manifold (includes item #1, #8, #9, & #10)	\$540.00
151213930	Item #13 - 156" lead assembly	\$85.00
151213932	Item #13 - 240" lead assembly	\$92.00
Purchase locally	Item #14 - Stationary vapor tube, 3/8 OD × 7/20 WT	not available
4001689XX Riser 4½" OD × 3/16" WT (XX = length)	Item #15 - 7" to 19" long	\$95.00
	Item #15 - 20" to 30" long	\$132.00
	Item #15 - 31" to 49" long (Consult factory for lead time.)	\$169.00
	Item #15 - 50" to 60" long (Consult factory for lead time.)	\$259.00
4035229XX Riser 4½" OD × 4.12" ID (XX = length)	Item #15 - 7" to 19" long (stainless steel for AP, consult factory for lead time)	\$201.00
	Item #15 - 20" to 30" long (stainless steel for AP, consult factory for lead time)	\$241.00
	Item #15 - 31" to 49" long (stainless steel for AP, consult factory for lead time)	\$355.00
	Item #15 - 50" to 60" long (stainless steel for AP, consult factory for lead time)	\$458.00
400600002	Item #17 - 5/16-24 × 7/16" set screw for Variable Lengths models only	\$4.00
403432002	Item #17 - 5/16-24 × 7/16" set screw for VL models only (stainless steel for AP)	\$8.00
400333015	Item #18 - Lead assembly O-ring	\$6.50
400264009	Item #19 - 5/16-18 × 1-1/8" socket head cap screw, may be purchased locally	\$5.00
403506001	Item #19 - 5/16-18 × 1-1/8" socket head cap screw, may be purchased locally (stainless steel, for AP models)	\$9.50
400263004	Item #20 - 5/16" high-collar lock washer, may be purchased locally	\$4.00
403505001	Item #20 - 5/16" high-collar lock washer, may be purchased locally (stainless steel, for AP models)	\$8.00
403403001	Item #21 - PMA gasket	\$8.50
403403002	Item #21 - PMA gasket (AG compatible)	\$21.00
PMA XXX	Item #22 - Pump motor assembly (XXX indicates options, includes item #30)	see PMAs

Continued on next page

**PMA, Riser and Check Valve for Variable Length and Fixed Length Pumps, Continued**

Model	Description	List
400981001	Item #23 - 3/8-16 × 1" Hex head screw	\$4.50
403504001	Item #23 - 3/8-16 × 1" Hex head screw (stainless steel, for AP models)	\$15.50
400285002	Item #24 - 3/8" standard lock washer, may be purchased locally	\$4.00
1117703	Item #24 - 3/8" standard lock washer, may be purchased locally (for AP)	\$8.00
400197930	Item #25 - Manifold assembly cover (includes item #10, #23, #24, & #26)	\$85.00
400197931	Item #25 - Manifold assembly cover (includes item #10, #23, #24, & #26) (for AP models)	\$133.00
400333238	Item #26 - Manifold Cover O-ring (AG compatible)	\$41.00
400147930	Item #27 - Clamp valve assembly (AG compatible)	\$35.00
400174930	Item #28 - Check valve spring	\$13.00
400988931	Item #29 - Standard check valve (includes item #26)	\$147.00
400988934	Item #29 - Standard check valve (AG compatible)	\$174.00
400988932	Item #29 - Model R check valve (includes item #26)	\$147.00
400988935	Item #29 - Model R check valve (AG compatible)	\$174.00
400988933	Item #29 - Model W check valve (includes item #26)	\$147.00
400988936	Item #29 - Model W check valve (AG compatible)	\$174.00
402459931	Item #29 - Model 65 PSI check valve (AG Compatible, for slave STP in manifolded applications only)	\$156.00
152350902	Item #30 - PMA hardware pack (includes item #19, #20, & #21)	\$13.00
152350904	Item #30 - PMA hardware pack (AG compatible) (for AP and AG models)	\$27.00
400216905	AG compatible O-ring kit (not shown, includes ten items)	\$183.00

**Discharge Manifold Assembly**

Model	Description	List
400192930	Item #1 - Junction box cover (includes item #2)	\$53.00
400192931	Item #1 - Junction Box cover (includes item #2, for AP models)	\$53.00
400210233	Item #2 - Junction Box Cover O-ring	\$5.00
400655001	Item #3 - Capacitor boot	\$5.00
400170931	Item #4 - Capacitor assembly for 1/3 to 1½ hp, 60 Hz, 15µfd, 370 Volt single-phase (includes one black lead)	\$49.00
400170934	Item #4 - Capacitor assembly for 2 hp, fixed speed, 60 Hz, 40µfd, 370 Volt single-phase (includes one black lead)	\$84.00
400257001	Item #5 - Retaining ring, Female connector	\$7.00
400258002	Item #6 - 3/8-16 × 1-1/4 Hex head bolt, may be purchased locally	\$4.50
602011016	Item #6 - 3/8-16 × 1-1/4 Hex head bolt, may be purchased locally (stainless steel, for AP models)	\$8.00
400285002	Item #7 - 3/8 standard lock washer, may be purchased locally	\$4.00
1117703	Item #7 - 3/8 standard lock washer, may be purchased locally (stainless steel, for AP models)	\$8.00
400280001	Item #8 - 3/8 standard flat washer, may be purchased locally	\$4.00
403500001	Item #8 - 3/8 standard flat washer, may be purchased locally (stainless steel, for AP models)	\$11.00
400651930	Item #9 - Junction box assembly (includes item #6, #7, & #8)	\$182.00
400651931	Item #9 - Junction box assembly (includes item #6, #7, & #8) (for AP models)	\$252.00
400210212	Item #10 - O-ring, Female connector	\$5.00
400200930	Item #11 - Wire connector kit (includes male/female connectors, item #5, #10, & #18)	\$223.00
400200931	Item #11 - Wire connector kit (includes male/female connectors, item #5, #10, & #18) (for AP models)	\$296.00
400589930	Item #12 - Extractable Cover (includes item #13)	\$27.00
400589931	Item #12 - Extractable Cover (includes item #13, for AP models)	\$27.00
400210229	Item #13 - O-ring, Extractable Cover	\$7.00
400236903	Item #14 - Contractor's plug, 4-wire	\$26.00
400259002	Item #15 - 3/8" NPT pipe plug, may be purchased locally	\$4.50
403499002	Item #15 - 3/8" NPT pipe plug, may be purchased locally (stainless steel, for AP models)	\$11.00
400562901	Item #16 - Syphon jet assembly	\$20.00
400562903	Item #16 - Syphon jet assembly (AG compatible)	\$57.00
400211046	Item #17 - O-ring, Extractable (upper, small)	\$6.50
400249001	Item #18 - Retaining ring, Male Connector	\$4.00
400250002	Item #19 - 1/8" dia. × 1/2" roll pin	\$4.00
400333343	Item #20 - AG compatible O-ring, Extractable (upper, large)	\$49.00
400333340	Item #21 - AG compatible O-ring, Extractable (lower)	\$51.00
400259005	Item #22 - 2" NPT square head plug	\$13.50
403499003	Item #22 - 2" NPT square head plug (stainless steel, for AP models)	\$54.00



### **High Capacity Submersible Turbine Pump Model Designation System**

A typical turbine model designation has up to five components to define the pump being supplied as follows:

**STP XXXXX Y-A-B**

**STP** = Basic Model Designation

Note: Standard models up to 10% ethanol capable.

**XXXXX** = Factory Installed Options

High Capacity model designations may include one or more of the following characters in alphabetical order:

F = Floating suction adapter (3" NPT male adapter)

\* R = Model R check valve (24 psi relief/22 psi reset for PLLD)

\* Note: If not otherwise specified, all STP models are supplied with standard model check valve (40 psi relief/35 psi reset for MLD, TS-LS300, and TS-LS500).

**Y** = Pump Motor Horsepower/Electrical Rating

3 = 3 hp fixed speed, 208-230 VAC

5 = 5 hp fixed speed, 208-230 VAC

5H = 5 hp fixed speed, 460 VAC

5G = 5 hp fixed speed, 575 VAC

**A** = Model Length

Model length is expressed as three numeric characters that indicate the length of the HCP from the turbine manifold bottom to the pump motor inlet in inches available from 60" to 200" (additional charge for models 132" and longer).

**B** = Riser Pipe Length

Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 6" to 60" in three inch increments (additional charge and lead time for risers 27" or longer).

**High Capacity Turbine Pumps (available as fixed length models only) \*\***

Model	Description	List
STP3	3 hp 6" STP, three-phase 208-230 VAC	\$6,651.00
STP5	5 hp 6" STP, three-phase 208-230 VAC	\$6,904.00
STP5H *	5 hp 6" STP, three-phase 460 VAC	\$7,744.00
STP5G *	5 hp 6" STP, three-phase 575 VAC	\$7,341.00

\* Please call Customer Service for lead time on these items.

**Notes:**

1. STP models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, 20% MTBE, 20% ETBE or 17% TAME with gasoline.
2. All models are supplied with a standard check valve unless factory option "R" is specified.
3. All above models require 208-230 VAC, three-phase, 60 Hz incoming power.
4. 6" riser pipe, if supplied locally, must be 6-5/8" OD by 1/4" WT tubing.
5. For riser pipe lengths 27" to 60", \$100.00 adder charge applies (please call Customer Service for lead times)

\*\* Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet. Model length (A) can be a minimum of 60" to a maximum of 200". Add \$135.00 (p/n 401190911) to list if model length (A) is 132" to 170" or add \$379.00 (p/n 401190914) to list if model length (A) is 171" to 200" (charges are for additional packaging). Please call Customer Service for lead times of model lengths 132" and longer.

**Factory Installed Options**

Model	Description	List
F	Floating suction adapter, 3" male NPT (must be ordered with STP)	\$189.00
R	Model R relief valve factory installed, for Veeder-Root™ PLLD	\$136.00

Veeder-Root™ is a trademark of Danaher Corporation.

**Field Installed Options**

Model	Description	List
401165905	Syphon system (when purchased with STP)	\$203.00
STP-CB3	Three-phase control box, 120 Volt relay, 3 hp, 208-230 Volt, 60 Hz pump control	\$579.00
STP-CB5	Three-phase control box, 120 Volt relay, 5 hp, 208-230 Volt, 60 Hz pump control	\$579.00
STP-CB5G	Three-phase control box, 120 Volt relay, 5 hp, 575 Volt, 60 Hz pump control	\$579.00
STP-CBB5H	Three-phase control box, 220 Volt relay, 5 hp, 460 Volt, 60 Hz pump control	\$579.00
STP-SCIII	STP-SCIII three-phase smart controller (when purchased <b>with a 6" STP</b> )*	\$748.00
STP-SCIII	STP-SCIII three-phase smart controller (when purchased without a 6" STP)	\$1,008.00

Note: Three phase smart controller is compatible with FE Petro 208/230 Volt 3 and 5 Hp high capacity STPs and like competitive makes. Not available for 460 or 575 Volt models.

**\*When purchasing STP-SCIII in equal quantities of fixed speed 6" STPs**

**6" STP Extractable (less manifold, riser and PMA)**

Model	Description	List
STPHC-EXT-XXX	6" fixed length extractable (p/n 401230901, where XXX indicates model length) *	\$3,366.00

\* Model length (XXX) defined as the dimension from turbine manifold bottom to pump motor inlet can be a minimum of 60" to a maximum of 200". Fixed Length adders apply for Extractable Model Lengths 132" to 200" (call Customer Service for lead times)

**High Capacity Mechanical Leak Detectors \***

Model	Description	List
401315902	STP-MLD-HC leak detector complete with Adapter "T" (blue, for gasoline)	\$1,661.00
401320902	STP-MLD-HCD leak detector complete with Adapter "T" (tan, for diesel)	\$1,661.00
401315901	Replacement high capacity leak detector ONLY (blue, for gasoline)	\$1,489.00
401320901	Replacement high capacity leak detector ONLY (tan, for diesel)	\$1,489.00
401316930	Replacement cover assembly	\$180.00
401325901	Replacement Adapter "T" with cover assembly	\$451.00
400449902	MLD-HC hardware pack, includes replacement fittings and documentation	\$21.00

**Notes:**

1. MLD-HC models are listed for compatibility with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE, or 17% TAME with gasoline.

2. MLD-HCD models are listed for compatibility with diesel fuels and kerosene applications only.

3. All above models will only mount in Adapter "T" (p/n 401325901)

\* Refer to high capacity MLD installation manual for complete fuel compatibility specifications.

**STP-SCIII Three-Phase Smart Controller \***

Model	Description	List
5800103200	STP-SCIII three-phase smart controller (when purchased <b>with a 6" STP</b> ) **	\$748.00
5800103200	STP-SCIII three-phase smart controller (when purchased without a 6" STP)	\$1,008.00

**Notes:**

1. One STP-SCIII required per submersible, relay rated for 30 Amps.
  2. STP-SCIII models do not utilize the pump motor thermal overload wiring (blue leads).
- \* STP-SCIII is compatible with FE Petro 3 and 5 hp submersibles and competitive makes except the 460 and 575 Volt models.

**\*\* When purchasing STP-SCIII in equal quantities of fixed speed 6" STPs**

**STP-SCIII Repair Parts**

Model	Description	List
228727101	Item #1 - Three-phase relay, 120 Volt coil (requires rev 1.15)	\$233.00
223905901	Item #2 - Logic board assembly (rev 1.15)	\$407.00
223910901	Item #3 - 208-230 Volt power board assembly	\$198.00
223867102	Item #4 - Mounting Bracket (required update for 228727101)	\$76.00

**STP-CB 3/5 Magnetic Starter**

Model	Description	List
401220903	STP-CB3 three-phase control box with adjustable overload, 120 Volt relay, 3 hp, 208-230 Volt, 60 Hz pump control	\$579.00
401220904	STP-CB5 three-phase control box with adjustable overload, 120 Volt relay, 5 hp, 208-230 Volt, 60 Hz pump control	\$579.00
401220993	STP-CB5G three-phase control box with adjustable overload, 120 Volt relay, 5 hp, 575 Volt, 60 Hz pump control	\$579.00
401220933	STP-CBB5H three-phase control box with adjustable overload, 220 Volt relay, 5 hp, 460 Volt, 60 Hz pump control	\$579.00

**Replacement Pump Motor Assemblies \***

Model	Description	List
PMA3	3 hp 208-230 Volt 6" pump motor assembly (33" long)	\$3,560.00
PMA3RJ	3 hp 208-230 Volt 6" pump motor assembly, replaces competitive model UMP300J4-2HB (33" long)	\$3,715.00
PMA5	5 hp 208-230 Volt 6" pump motor assembly (39" long)	\$3,650.00
PMA5RJ	5 hp 208-230 Volt 6" pump motor assembly, replaces competitive model UMP500J4-2K (39" long)	\$3,805.00
PMA5H **	5 hp 460 Volt 6" pump motor assembly (39" long)	\$4,885.00
PMA5G **	5 hp 575 Volt 6" pump motor assembly (39" long)	\$4,720.00
PMA5GRJ **	5 hp 575 Volt 6" pump motor assembly, replaces competitive model UMP500J6-2K (39" long)	\$4,875.00

\* For pump motor assemblies with floating suction adapters (3" male NPT connections), specify "F" in the model number and \$189 adder charge applies (must be ordered with PMA).

\*\* Please call Customer Service for lead time on these items.

**Syphon System**

Model	Description	List
402505001	Item #1 - Syphon block	\$74.00
400562901	Item #2 - Syphon jet assembly	\$20.00
400430004	Item #3 - 3/8"P × 3/8"T compression fitting	\$7.00
400259001	Item #4 - 1/4" pipe plug	\$4.50
400114001	Item #5 - 1/4" close nipple, two required per system	\$8.00
400114003	Item #6 - 1/4" nipple × 3" long	\$8.50
402510001	Item #7 - 1/4" threaded tee	\$12.00
402511001	Item #8 - 1/4" threaded elbow, 90°	\$11.50
400137937	Item #9 - Syphon check valve	\$78.00
402544001	Item #10 - Caution tag	\$22.00
400982001	Item #11 - Security seal	\$4.00
402553902	Item #12 - Copper tube (HC pump)	\$9.50
400430003	Item #13 - 1/4"P × 3/8"T compression fitting	\$7.00
401165930	Syphon unit complete (includes all items above)	\$233.00

**STP3 and STP5 (High Capacity general assembly)**

Model	Description	List
401148101	Item #1 - Connection box cover	\$78.00
400236909	Item #2 - Seal off plug assembly, 5-wire	\$27.00
401149001	Item #3 - Eye bolt	\$21.00
400258001	Item #4 - 3/8-16 × 1" large Hex head cap screw	\$4.50
400285002	Item #5 - 3/8" lock washer	\$4.00
401236002	Item #6 - Upper manifold seal	\$147.00
400273004	Item #8 - 12 gauge wire terminal	\$4.50
400273006	Item #8 - 14 gauge wire terminal	\$4.50
401142901	Item #9 - Plug assembly	\$250.00
401091001	Item #10 - 6-32 × 3/8" large round head machine screw, three req'd per connector	\$5.50
401137901	Item #11 - Receptacle assembly	\$332.00
401238001	Item #12 - Bushing ring, electrical entry	\$8.00
401239001	Item #13 - Seal plug, electrical entry	\$54.00
401112101	Item #14 - Discharge manifold	\$981.00
401163001	Item #15 - 6" flange gasket	\$24.00
400333235	Item #16 - O-ring, Connectors	\$28.00
400333234	Item #17 - O-ring, connection box cover	\$28.00
400258005	Item #18 - 1/2-13 × 1 1/4" large Hex head cap screw	\$4.50
400285005	Item #19 - 1/2" lock washer	\$4.00
400259001	Item #20 - 1/4" pipe plug	\$4.50
401032901	Item #21 - Model 550 Relief (old standard relief, tire valve - two per submersible)	\$10.00
401330901	Item #21 - Standard relief (units built since S/N 0302XXXX)	\$78.00
401330902	Item #21 - Model "R" relief (units built since S/N 0302XXXX)	\$78.00
401154001 *	Item #22 - Valve spring and bracket	\$84.00
400523001	Item #23 - 10-24 × 3/8" long Sems fastener, two required per bracket	\$4.00
401150101 *	Item #24 - Inset valve assembly	\$76.00
401236001	Item #25 - Lower manifold seal	\$164.00
401158903	Item #26 - Air eliminator assembly	\$82.00
400258006	Item #27 - 3/4-10 × 3" large Hex head cap screw	\$8.00
401162001	Item #28 - 3" flange gasket	\$17.00
401113101	Item #29 - 3" companion flange	\$93.00
4011910XX 6-5/8" OD × 1/4" WT (XX = length)	Item #30 - 6" riser pipe	\$205.00
	Item #30 - 9" riser pipe	\$216.00
	Item #30 - 12" riser pipe	\$237.00
	Item #30 - 15" riser pipe	\$254.00
	Item #30 - 18" riser pipe	\$277.00
	Item #30 - 21" riser pipe	\$369.00
	Item #30 - 24" riser pipe	\$394.00
	Item #30 - 27" riser pipe (call Customer Service for lead times)	\$418.00
	Item #30 - 30" riser pipe (call Customer Service for lead times)	\$441.00

Continued on next page

\* 401154001 and 401150101 must be replaced together

**STP3 and STP5 (High Capacity general assembly), Continued**

<b>Model</b>	<b>Description</b>	<b>List</b>
400333218	Item #31 - O-ring, lead assembly	\$20.00
151593906	Item #32 - 192' lead assembly	\$213.00
401161101	Item #33 - 6" flange	\$375.00
993517	Item #34 - 3/4" lock washer (400285006)	\$4.50
400274004	Item #35 - 3/4-10 Hex nut	\$4.50
400264011	Item #36 - 3/8-16 × 1-1/4" large SHCS	\$5.50
400333255	Item #37 - O-ring, motor discharge (large, shell)	\$64.00
402406001	Item #38 - Rubber washer	\$6.00
400333225	Item #39 - O-ring, motor discharge (small, electrical hub)	\$12.00
PMA XXX	Item #40 - Pump motor assembly (XXX indicates options and horsepower)	see PMAs

### Diesel Exhaust Fluid Pump Motor Assembly Model Designation System

A typical turbine model designation has four components to define the pump being supplied as follows:

#### DEF PMA YYY Z

**DEF** = Pump Compatible with Diesel Exhaust Fluid ONLY

**PMA** = Pump Motor Assembly

**YYY** = Pump Motor Horsepower Rating

150 = 1 1/2 Hp Fixed Speed (5.1" OD x 18.7" long)

**Z** = Pump Motor Horsepower Rating

A = Single phase, 60 Hz, 208-240 VAC (rated 7.9 Amps, requires 25 microfarad run/start capacitor rated 370 VAC)

D = Three phase, 60 Hz, 208-240 VAC (rated 5.0 Amps)

### 60 Hertz DEF PMA

Model	Description	List
403383903	DEF-PMA 150 A: Single Phase, 60hz, 208-240 VAC, 1.5 Hp (single pack)	\$2,114.00
403383933	DEF-PMA 150 D: Three Phase, 60hz, 208-240 VAC, 1.5 Hp (single pack)	\$2,249.00
403383703	DEF-PMA 150 A: Single Phase, 60hz, 208-240 VAC, 1.5 Hp (12 pack pallet)	\$21,300.00
403383733	DEF-PMA 150 D: Three Phase, 60hz, 208-240 VAC, 1.5 Hp (12 pack pallet)	\$22,579.00

Notes:

1. Stainless steel construction including impellers/diffusers, inlet/outlet, and outer shell. Two-stage, centrifugal type pump with 2" NPT female outlet, Viton® or EPDM seals, and black 23' (7 m) polyethylene jacketed power cable.
2. Bypass relief valve cracking pressure of 30-40 psi (2.1-2.8 bar) and 4 gpm (15 lpm) minimum flow at the discharge of all models.
3. Non-return check valve cracking pressure of 3 psi (0.2 bar) between product piping and bypass relief valve of all models.
4. Liquid compatibility: All models are intended for use with Diesel Exhaust Fluid (DEF). DEF is a non-flammable, non-combustible liquid that has a specific gravity of 1.09 at 68°F (20°C), and is made per ISO 22241-1 specifications with 32.5% urea and distilled or deionized water. As defined by ISO 22241-1, DEF is the same as AUS 32® (aqueous urea solution) and also commonly known as AdBlue®

### Variable Length Diesel Exhaust Fluid Submersible Turbine Pump Kits

Model	Description	List
403469901	60 Hz, single phase, VL1 69" - 102" (1,750 mm - 2,590 mm) variable length diesel exhaust fluid submersible turbine pump kits (includes VL components #1 - #5 below)	\$3,339.00
403470901	60 Hz, single phase, VL2 102" - 166" (2,590 mm - 4,215 mm) variable length diesel exhaust fluid submersible turbine pump kits (includes VL components #1 - #5 below)	\$3,339.00
403478901	60 Hz, three phase, VL1 69" - 102" (1,750 mm - 2,590 mm) variable length diesel exhaust fluid submersible turbine pump kits (includes VL components #1 - #4 and #6 below)	\$3,474.00
403479901	60 Hz, three phase, VL2 102" - 166" (2,590 mm - 4,215 mm) variable length diesel exhaust fluid submersible turbine pump kits (includes VL components #1 - #4 and #6 below)	\$3,474.00

**Variable Length Diesel Exhaust Fluid Submersible Turbine Pump Replacement Kits**

Model	Description	List
403463901	Item #2 - VL Check valve kit (includes 1½" NPT non-return check valve and 1½" NPT x 4" long nipple on inlet)	\$273.00
403461901	Item #3 - VL Bypass kit (includes ½" NPT bypass relief valve, ½" NPT x 1½" NPT bushing in 1½" NPT tee)	\$414.00
403454901	Item #4 - VL Pump motor assembly connection kit (includes 2" NPT male inlet x 1½" NPT male outlet EZ FIT connection)	\$404.00
403383903	Item #5 - 60 Hz, single phase pump motor assembly (DEF-PMA150A)	\$2,114.00
403383933	Item #6 - 60 Hz, three phase pump motor assembly (DEF-PMA150D)	\$2,249.00

**Variable Length Accessories & Repair Parts**

Model	Description	List
403713921	Single phase electrical kit, includes STP-CBS (208-240V pump control with 120V coil, p/n 400818921) & 25 uF/370V Capacitor (p/n 400170936, for use with DEF-PMA150A)	\$201.00
401220903	Three phase 208-240 volt pump control box with adjustable overload protection and 120 volt coil (for use with DEF-PMA150D)	\$579.00
403408931	1½" NPT non-return check valve (part of component VL #2, valve only)	\$250.00
403409931	½" NPT bypass relief valve (part of component VL #3, valve only)	\$344.00
403468901	DEF-PMA hardware pack (part of component #5 or #6, includes cable grip, cable ties, and documentation)	\$16.50
400170936	Capacitor, 25 uF / 370 V (for use with DEF-PMA150A)	\$57.00

**Fixed Length Diesel Exhaust Fluid Submersible Turbine Pump Kits**

Model	Description	List
403464901	Item #2 - FL Check valve kit (includes 2" NPT non-return check valve and 2" NPT x 4" long nipple on inlet)	\$398.00
403462901	Item #3 - FL Bypass kit (includes ½" NPT bypass relief valve, ½" NPT x 2" NPT bushing in 2" NPT tee)	\$457.00
403456901	Item #4 - FL Pump motor assembly connection kit (includes 2" NPT male inlet x 2" NPT male outlet EZ FIT connection)	\$498.00
403383903	Item #5 - 60 Hz, single phase pump motor assembly (DEF-PMA150A)	\$2,114.00
403383933	Item #6 - 60 Hz, three phase pump motor assembly (DEF-PMA150D)	\$2,249.00

**Fixed Length Accessories & Repair Parts**

Model	Description	List
403713921	Single phase electrical kit, includes STP-CBS (208-240V pump control with 120V coil, p/n 400818921) & 25 uF/370V Capacitor (p/n 400170936, for use with DEF-PMA150A)	\$201.00
401220903	Three phase 208-240 volt pump control box with adjustable overload protection and 120 volt coil (for use with DEF-PMA150D)	\$579.00
403408932	2" NPT non-return check valve (part of component FL #2, valve only)	\$368.00
403409931	½" NPT bypass relief valve (part of component FL #3, valve only)	\$344.00
403468901	DEF-PMA hardware pack (part of component #5 or #6, includes cable grip, cable ties, and documentation)	\$16.50
400170936	Capacitor, 25 uF / 370 V (for use with DEF-PMA150A)	\$57.00



### Defender Series™ Bundle Packages Model Number Reference Chart

Defender Series spill container model numbers can be created using the following guidelines:

### Defender Series™ Model Number Reference Chart

Defender Series spill container model numbers can be created using the following guidelines:

#### 705 XXX YABC D

##### XXX = Containment options

545 = Grade level single wall,

555 = Grade level double wall,

556 = Below grade double wall

##### Y = Interstitial Monitoring

0 = No Sensor

1 = I2 Monitor (float gauge)

2 = TSP-ULS Sensor

##### A = Base Thread

0 = NPSM

1 = NPT

2 = BSPT

##### B = Drain

1 = with Drain

2 = without Drain

##### C = Overfill Prevention Valve (See table)

##### D = Riser, Cap, and Adapter

1 = SS swivel fill adapter, cap and nipple

2 = No riser cap or adapter

Table for Defender Series™ Overfill Prevention Valve (selection C)

Alpha	Description
A	OPV with 5' top drop tube, 8' bottom drop tube
B	OPV with 5' top drop tube, 10' bottom drop tube
C	OPV with 5' top drop tube, 8' bottom drop tube, AGB
D	OPV with 5' top drop tube, 10' bottom drop tube, AGB
E	OPV with 10' top drop tube, 8' bottom drop tube
F	OPV with 10' top drop tube, 10' bottom drop tube
G	OPV with 10' top drop tube, 8' bottom drop tube, AGB
H	OPV with 10' top drop tube, 10' bottom drop tube, AGB
I	OPV coaxial with with 6.5' top drop tube, 8' bottom drop tube
J	OPV coaxial with with 6.5' top drop tube, 10' bottom drop tube
K	OPV poppeted coaxial with 6.5' top drop tube, 8' bottom drop tube
L	OPV poppeted coaxial with 6.5' top drop tube, 10' bottom drop tube

**Defender Series™ Bundle Packages Common Configurations**

Model	Description	List
705545002A1	Spill container, single wall, NPSM thread, w/o drain, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$1,931.00
705545002D1	Spill container, single wall, NPSM thread, w/o drain, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube, AGB and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,345.00
705545011A1	Spill container, single wall, NPT thread, with drain, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$1,979.00
705545011B1	Spill container, single wall, NPT thread, with drain, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 10' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,061.00
705545012A1	Spill container, single wall, NPT thread, without drain, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$1,931.00
705555101A1	Spill container, double wall, NPSM thread, with drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,332.00
705555102A2	Spill container, double wall, NPSM thread, w/o drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube without RCA SS Swivel Fill Kit	\$1,892.00
705555111A1	Spill container, double wall, NPT thread, with drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,332.00
705555111B1	Spill container, double wall, NPT thread, with drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 10' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,414.00
705555112A1	Spill container, double wall, NPT thread, w/o drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,286.00
705555112B1	Spill container, double wall, NPT thread, w/o drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 10' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,367.00
705555112F1	Spill container, double wall, NPT thread, w/o drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 10' top drop tube, 10' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,502.00
705555202A1	Spill container, double wall, NPSM thread, w/o drain, with TSP-ULS Sensor, with black epoxy-coated cast iron gasketed lid with Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube and RCA SS Swivel Fill Kit (Includes one 70521305 2.88" nipple, one 77720102 4" TOP SEAL CAP and one SWF100SS swivel fill adaptor)	\$2,569.00

**Multiport Packages Common Configurations**

Model	Description	List
705589905	42" Diesel Phil-Tite™ Multiport Package. Includes MSC-XS36-1, FIBERGLASS-KIT, M42-1C-1-0-NPR, PP-1005-TB, 70541201, MF 4X4 and 708592902 (10' top and 10' bottom)	\$7,043.00
705589906	42" Gas Phil-Tite™ Multiport Package. Includes MSC-XS36-3, FIBERGLASS-KIT, M42-2C-0-1-NPR, PP-1005-TB, PP-1005-TBP, 70541201, 70541301, MF 4X4 (qty 2), M-1600 and 708592902 (10' top and 10' bottom)	\$8,604.00
705589907	42" Gas Phil-Tite™ Multiport Package. Includes MSC-XS36-3, FIBERGLASS-KIT, M42-2C-0-1-NPR, PP-1005-TB, PP-1005-TBP, 70541201, 70541301, MF 4X4 (qty 2), M-1600 and 708592922 (10' top and 10' bottom, AGB)	\$8,802.00
705589911	36" Diesel Phil-Tite™-to-Defender Series® Retrofit Multiport Package. Includes DMP36-1-WTSS-32, FIBERGLASS-KIT, DMP36R-1-SW-YEL and 708592902 (10' top and 10' bottom)	\$6,005.00
705589912	36" Gas Phil-Tite™-to-Defender Series® Retrofit Multiport Package. Includes DMP36-2-WTSS-32, FIBERGLASS-KIT, DMP36R-2-SW-WHT/ORG and 708592902 (10' top and 10' bottom)	\$6,618.00
705589913	42" Diesel New Defender Series® Multiport Package. Includes DMP36-1-WTSS-32, FIBERGLASS-KIT, DMP42-1-SWT-YEL, 70541202 and 708592902 (10' top and 10' bottom)	\$6,835.00
705589914	42" Gas New Defender Series® Multiport Package. Includes DMP36-2-WTSS-32, FIBERGLASS-KIT, DMP42-2-SWT-WHT/ORG, 70541202, 70541302, M-1600 and 708592902 (10' top and 10' bottom)	\$8,927.00
705589915	36" Diesel New Defender Series® Multiport Package. Includes DMM4236-2/1-OC-S, FIBERGLASS-KIT, DMP36-1-SW-YEL, 70541202 and 708591902 (5' top and 10' bottom)	\$7,182.00
705589916	36" Gas New Defender Series® Multiport Package. Includes DMM4236-2/1-OC-S, FIBERGLASS-KIT, DMP36-2-SW-WHT/ORG, 70541202, 70541302, M-1600 and 708591902 (5' top and 10' bottom)	\$9,070.00
705589917	36" Gas New Defender Series® Multiport Package. Includes DMM4236-2/1-OC-S, FIBERGLASS-KIT, DMP36-2-SW-RED/ORG, 70541202, 70541302, M-1600 and 708591902 (5' top and 10' bottom)	\$9,070.00
705589918	42" Diesel New Defender Series® Multiport Package. Includes DMP42-1-WTSS-42, FIBERGLASS-KIT, DMP42-1-DWITN-YEL, 70541202 and 708592902 (10' top and 10' bottom)	\$8,647.00
705589919	42" Gas New Defender Series® Multiport Package. Includes DMP42-2-WTSS-42, FIBERGLASS-KIT, DMP42-2-DWITN/SWTN-RD/OG, 70541202, 70541302, M-1600 and 708592902 (10' top and 10' bottom)	\$9,309.00
705589920	42" Gas New Defender Series® Multiport Package. Includes DMP42-2-WTSS-42, FIBERGLASS-KIT, DMP42-2-DWITN/SWTN-WT/OG, 70541202, 70541302, M-1600 and 708592902 (10' top and 10' bottom)	\$9,309.00

**Defender Series™ Model Number Reference Chart**

Defender Series spill container model numbers can be created using the following guidelines:

**705 XXX YABC****XXX = Containment options**

545 = Single wall, grade level

555 = Double wall, grade level

556 = Double wall, below grade

**Y = Interstitial Monitoring**

0 = No Sensor

1 = I2 Monitor (float gauge)

2 = TSP-ULS Sensor

**A = Base Thread**

0 = NPSM

1 = NPT

2 = BSPT

**B = Drain**

1 = with Drain

2 = without Drain

**C = Lid/Cover**

CI-GKT = Black epoxy-coated cast iron gasketed lid (grade level only)

CI-GRN = Green epoxy-coated cast iron gasketed lid (grade level only)

CI-ORG = Orange epoxy-coated cast iron gasketed lid (grade level only)

CI-RED = Red epoxy-coated cast iron gasketed lid (grade level only)

CI-WHT = White epoxy-coated cast iron gasketed lid (grade level only)

CI-YEL = Yellow epoxy-coated cast iron gasketed lid (grade level only)

BLK = Black fiberglass 18" manway cover (below grade only)\*

\*API colors available. Call for additional options.

**Defender Series™ Spill Containers**

Model	Description	List
705545001CI-GKT	Defender Series™ 5 gallon spill container, single wall, NPSM thread, with drain, with black epoxy-coated cast iron gasketed lid	\$914.00
705545002CI-GKT	Defender Series™ 5 gallon spill container, single wall, NPSM thread, without drain, with black epoxy-coated cast iron gasketed lid	\$861.00
705545011CI-GKT	Defender Series™ 5 gallon spill container, single wall, NPT thread, with drain, with black epoxy-coated cast iron gasketed lid	\$914.00
705545012CI-GKT	Defender Series™ 5 gallon spill container, single wall, NPT thread, without drain, with black epoxy-coated cast iron gasketed lid	\$861.00
705545021CI-GKT	Defender Series™ 5 gallon spill container, single wall, BSPT thread, with drain, with black epoxy-coated cast iron gasketed lid	\$914.00
705545022CI-GKT	Defender Series™ 5 gallon spill container, single wall, BSPT thread, without drain, with black epoxy-coated cast iron gasketed lid	\$861.00
705555101CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPSM thread, with drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid	\$1,307.00
705555102CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPSM thread, without drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid	\$1,255.00
705555111CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPT thread, with drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid	\$1,307.00
705555112CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPT thread, without drain, with I2 monitor, with black epoxy-coated cast iron gasketed lid	\$1,255.00
705555201CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPSM thread, with drain, with TSP-ULS sensor, with black epoxy-coated cast iron gasketed lid	\$1,622.00
705555202CI-GKT	Defender Series™ 5 gallon spill container, NPSM thread, without drain, with TSP-ULS sensor, with black epoxy-coated cast iron gasketed lid	\$1,570.00
705555211CI-GKT	Defender Series™ 5 gallon spill container, double wall, NPT thread, with drain, with TSP-ULS sensor, with black epoxy-coated cast iron gasketed lid	\$1,622.00
705555212CI-GKT	Defender Series™ 5 gallon spill container, NPT thread, without drain, with TSP-ULS sensor, with black epoxy-coated cast iron gasketed lid	\$1,570.00
705556111BLK	Defender Series™ Below Grade 5 gallon spill container, NPT thread, with drain, with I2 monitor, with 18 X24 skirt and black composite manway	\$1,654.00
705556112BLK	Defender Series™ Below Grade 5 gallon spill container, NPT thread, without drain, with I2 monitor, with 18 X24 skirt and black composite manway	\$1,601.00
705556211BLK	Defender Series™ Below Grade 5 gallon spill container, NPT thread, with drain, with TSP-ULS sensor, with 18 X24 skirt and black composite manway	\$1,811.00
705556212BLK	Defender Series™ Below Grade 5 gallon spill container, NPT thread, without drain, with TSP-ULS sensor, with 18 X24 skirt and black composite manway	\$1,759.00

**Defender Series™ Replacement Spill Containers**

Model	Description	List
705545001SP	Single wall spill container, NPSM, with drain	\$572.00
705545002SP	Single wall spill container, NPSM, without drain	\$520.00
705545011SP	Single wall spill container, NPT, with drain	\$572.00
705545012SP	Single wall spill container, NPT, without drain	\$520.00
705555101SP	Double wall spill container, I2, NPSM, with drain	\$970.00
705555102SP	Double wall spill container, I2, NPSM, no drain	\$920.00
705555111SP	Double wall spill container, I2, NPT, with drain	\$970.00
705555112SP	Double wall spill container, I2, NPT, no drain	\$920.00
705555201SP	Double wall spill container, TSP-ULS sensor, NPSM, with drain	\$1,270.00
705555202SP	Double wall spill container, TSP-ULS sensor, NPSM, no drain	\$1,220.00
705555211SP	Double wall spill container, TSP-ULS sensor, NPT, with drain	\$1,270.00
705555212SP	Double wall spill container, TSP-ULS sensor, NPT, no drain	\$1,220.00

**Defender Series™ Spill Container Replacement Parts**

Model	Description	List
70544011	Cover, cast iron w/ gasket, black (Grade level)	\$185.00
70551911	Cover gasket (Grade level)	\$45.75
70553001	Plow ring assembly (Grade level)	\$142.00
602009007	Plow ring gasket (Grade level)	\$22.25
78130401	Manway cover, 18", FRC, black (Below grade)	\$194.00
70541202	Fill riser cap and adapter kit	\$452.00
77720102	Top seal fill cap	\$68.25
SWF-100-SS	Fill swivel adapter	\$354.00
70521307	4" x 2.88" close nipple	\$37.25
70541302	Vapor riser, cap and adapter kit	\$590.00
30430103	Top seal vapor cap	\$81.00
SWV-101-SS	Vapor swivel adapter	\$478.00
70550901EC	DT riser clamp assembly	\$143.00
1103939	DT riser gasket	\$16.25
70533729	Pull to push drain valve Kit	\$85.50
70550311	Spill container seal-ring	\$43.50
602256001	Tank riser gasket	\$18.00
70553301	I2 monitor and inspection port kit	\$105.00
TSP-ULS	Electronic leak detection sensor	\$269.00
70553302	Sensor inspection port	\$71.25

**Defender Series™ Spill Container Tools**

Model	Description	List
T-7001	T-handle wrench	\$314.00
T-7106	Double-ended installation tool	\$332.00
T-7107	Double wall vacuum test kit (for double wall models only)	\$222.00

**EBW Series Grade Level Spill Containers**

RCA kits sold separately. API colors available. Call for additional options.

Model	Description	List
70547001ALUM	Grade level, 5 gallon, with drain, NPT thread, Aluminum Cover	\$688.00
70547002ALUM	Grade level, 5 gallon, without drain, NPT thread, Aluminum Cover	\$638.00
70547021ALUM	Grade level, 5 gallon, with drain, BSPT thread, Aluminum Cover	\$688.00
70547001BLK	Grade level, 5 gallon, with drain, NPT, Black FRC cover	\$677.00
70547002BLK	Grade level, 5 gallon, no drain, NPT, Black FRC cover	\$627.00
70547021BLK	Grade level, 5 gallon, with drain, BSPT thread, Black FRC cover	\$677.00
70547901CI-GKT*	Grade level, 5 gallon, with drain, NPT thread, black epoxy-coated cast iron gasketed lid (RCA Kit not included)	\$717.00
70547902CI-GKT*	Grade level, 5 gallon, no drain, NPT thread, black epoxy-coated cast iron gasketed lid (RCA Kit included)	\$812.00
70549001BLK**	Grade level, 5 gallon, with drain, NPT, Black FRC cover	\$796.00
70549002BLK**	Grade level, 5 gallon, no drain, NPT, Black FRC cover	\$712.00

\*ULC approved, MH21091

\*\*CARB Phase 1 EVR approved, VR-101

**EBW Series Grade Level Retrofit Spill Containers**

Model	Description	List
70240001BLK	Grade level, 5 gallon, with pump, slip on, Black FRC cover	\$635.00
70240002BLK	Grade level, 5 gallon no pump, slip on, Black FRC cover	\$585.00
70240401CI-GKT*	Grade level, 5 gallon, with pump, slip on, cast iron cover with gasket	\$578.00
70240402CI-GKT*	Grade level, 5 gallon, no pump, slip on, cast iron cover with gasket	\$528.00

\*ULC approved, MH21091

\*\*CARB Phase 1 EVR approved, VR-101

**12" Replacement Covers For Grade Level Spill Containers**

Model	Description	List
70540900	12" cover aluminum	\$133.00
70542002	12" cover FRC white with black cross, regular unleaded	\$163.00
70542003	12" cover FRC red with white cross, premium unleaded	\$163.00
70542301	12" cover FRC standard black cover	\$119.00
70542302	12" cover FRC white	\$163.00
70542303	12" cover FRC red	\$163.00
70542305	12" cover FRC yellow	\$163.00
70542307	12" cover FRC orange	\$163.00
70542309	12" cover FRC brown	\$163.00
70543000	12" black epoxy-coated cast iron without handle	\$121.00
70544011	12" black epoxy-coated cast iron with gasket-AGB*	\$181.00
70517101	Replacement clips for snap-on covers	\$12.25

API colors available. Call for additional options.

**EBW Series Below Grade Spill Containers**

Model	Description	List
70547401BLK*	Below grade, 5 gallon, with drain, 18" X 8", Black FRC Manway	\$1,366.00
70547402BLK*	Below grade, 5 gallon, no drain, 18" X 8", Black FRC Manway	\$1,316.00
70549201BLK**	Below grade (CARB), 5 gallon, with drain, 18" X 8", Black FRC Manway	\$1,274.00
70549202BLK**	Below grade (CARB), 5 gallon, no drain, 18" X 8", Black FRC Manway	\$1,224.00
71547401BLK*	Below grade, 15 gallon, with drain, 18" X 8", Black FRC Manway	\$1,465.00
71547402BLK*	Below grade, 15 gallon, no drain, 18" X 8", Black FRC Manway	\$1,415.00
71549201BLK**	Below grade (CARB), 15 gallon, with drain, 18" X 8", Black FRC Manway	\$1,322.00
71549202BLK**	Below grade (CARB), 15 gallon, no drain, 18" X 8", Black FRC Manway	\$1,272.00

\*ULC approved, MH21091

\*\*CARB Phase I approved, VR-101

**EBW Series Below Grade Retrofit Spill Containers**

Model	Description	List
70245001BLK	Below grade, 5 gallon, with pump, slip on, Black FRC Manway	\$1,001.00
70245065*	Below grade, 5 gallons, slip on, with pump, No cover, RCA	\$1,240.00

\*ULC approved, MH21091

**Replacement 18" Manway Covers**

Model	Description	List
78130401	18" FRC black	\$194.00
78130402	18" FRC white	\$277.00
78130403	18" FRC red	\$277.00
78130405	18" FRC yellow	\$277.00
78130407	18" FRC orange	\$277.00
78130601	18" Steel	\$172.00

**EBW® Series Spill Container Replacement Parts**

Model	Description	List
77720102	Top seal fill cap	\$68.25
SWF-100-SS	Fill swivel adapter	\$354.00
70521307	4' X 2.88" close nipple	\$37.25
30430103	Top seal vapor cap	\$81.00
SWV-101-SS	Vapor swivel adapter	\$478.00
70541202	Fill riser, cap, and adapter kit for grade level spill containers	\$452.00
70541302	Vapor riser, cap and adapter kit for grade level spill containers	\$590.00
70533219	Pull-to-push drain valve kit	\$96.50
70533719	Drain valve kit for CARB approved models	\$71.00
71040114	Below grade lock down cover with base	\$523.00
71040201	Below grade lock down cover without base	\$410.00
70521305	4' x 5" close nipple	\$42.50
70541201	Fill riser, cap, and adapter kit for below grade spill containers	\$458.00
70541301	Vapor riser, cap and adapter kit for below grade spill containers	\$593.00



## Defender Series Multiport Manways

### Model Number Reference Chart

#### X-Y-Z-A

##### X = Size and Style

DMP36 = 36" Defender multiport

DMP42 = 42" Defender multiport

DMP36R = 36" Defender multiport retrofit for Phil-Tite Multiport

DMP42R = 42" Defender multiport retrofit for Phil-Tite Multiport

##### Y = Number of Spill Containers

1 = One spill container

2 = Two spill containers

4 = Four spill containers

##### Z = Container Configuration

SW = Single wall, NPSM

SWN = Single wall, NPSM, No drain

DWI = Double wall, I<sup>2</sup> monitor, NPSM

DWIT = Double wall, I<sup>2</sup> monitor, NPT

SWT = Single wall, NPT

SWTN = Single wall, NPT, no drain

DWS = Double wall, ULS sensor, NPSM

DWST = Double wall, ULS Sensor, NPT

##### A = Cover Color

YEL = Yellow

RED/ORG = Red and orange

WHT/ORG = White and orange

**Defender Series Multiport Manways**

Common 36" models	Description	List
DMP36-1-SW-YEL	36" Defender Multiport, One Spill Container, One 8" access port, Yellow CI Lid	\$3,191.00
DMP36-1-SWN-RED	36" Defender Multiport, One Spill Container, One 8" access port, no drain, Red CI Lid	\$3,180.00
DMP36-1-SWN-WHT	36" Defender Multiport, One Spill Container, One 8" access port, no drain, White CI Lid	\$3,180.00
DMP36-1-SWN-YEL	36" Defender Multiport, One Spill Container, One 8" access port, no drain, Yellow CI Lid	\$3,180.00
DMP36-1-DWIT-YEL	36" Defender multiport, one double wall NPT spill container, 12 monitor, one 13" access port, yellow cast iron lid	\$3,599.00
DMP36-2-SW-WHT/ORG	36" Defender Multiport, Two Spill Containers, One 8" access port, One White/One Orange CI Lids	\$4,490.00
DMP36-2-SWN-WHT/WHT	36" Defender Multiport, Two Spill Containers, One 8" access port, no drain, White CI Lids	\$4,464.00
DMP36-2-SWT-RED/ORG	36" Defender multiport, two NPT spill containers, one 8" access port, one red/one orange cast iron lid	\$4,490.00
DMP36-2-SWT-WHT/ORG	36" Defender multiport, two NPT spill containers, one 8" access port, one white/one orange cast iron lid	\$4,490.00
DMP36R-2-SW-WHT/ORG	36" Defender Multiport Retrofit Kit, Two Spill Containers, One 8" access port, One White/One Orange CI Lids	\$3,742.00

Common 42" models	Description	List
DMP42-2-SW-WHT/ORG	42" Defender Multiport, Two Spill Containers, One 8" access port, One White/One Orange CI Lids	\$5,072.00
DMP42-2-SWN-WHT/WHT	42" Defender multiport, two NPSM spill containers, no drain, one 8" access port, two white cast iron lids	\$4,838.00
DMP42-2-SWT-RED/ORG	42" Defender multiport, two NPT spill containers, one 8" access port, one red/one orange cast iron lid	\$5,072.00
DMP42-2-SWT-WHT/ORG	42" Defender multiport, two NPT spill containers, one 8" access port, one white/one orange cast iron lid	\$5,072.00
DMP42-2-DWI-RED/ORG	42" Defender multiport, two double-wall NPSM spill containers, 12 Monitor, one 8" access port, one red/one orange cast iron lid	\$5,858.00
DMP42-2-DWI-WHT/ORG	42" Defender multiport, two double-wall NPSM spill containers, 12 Monitor, one 8" access port, one white/one orange cast iron lid	\$5,858.00
DMP42-2-DWST-RED/ORG	42" Defender multiport, two double-wall NPT spill containers, with TSP-ULS sensor, one 8" access port, one red/one orange cast iron lid	\$6,884.00
DMP42-2-DWST-WHT/ORG	42" Defender multiport, two double-wall NPT spill containers, with TSP-ULS sensor, one 8" access port, one white/one orange cast iron lid	\$6,884.00
DMP42-4-SWN-WHT/ORG	42" Defender Multiport, Four NPSM Spill Containers, no drain, One 6" access port, Two White/Two Orange CI Lids	\$9,018.00


**Dual Point Fill Watertight Multi-port Sump Kits**
**42" Single and Double Wall Octagonal\***

Model	Description	List
DMM4236-2/1-OB-S	Sump Kit for Defender Multiport,medium burial,42" sump riser,36" manhole,Octagonal Base, Single Wall	\$3,681.00
DMM4236-2/1-OC-S	Sump Kit for Defender Multiport,medium burial,42" sump riser,36" manhole,Octagonal Base, Single Wall	\$3,060.00
DMM4842-4/0-OC-H	Sump Kit for Defender Multiport,medium burial,48" sump riser,42" manhole,Octagonal Base, Double Wall	\$7,560.00
DMM4842-4/0-OC-S	Sump Kit for Defender Multiport,medium burial,48" sump riser,42" manhole,Octagonal Base, Single Wall	\$7,390.00

\*All 42" octagonal multi-port sumps have a 42" base diameter, minimum 36" manway size and a 39" riser diameter.

**Diesel Watertight Multi-port Sump Kits\***

Model	Description	List
DMM4236-1/0-OB-S	Sump Kit for Defender Multiport,medium burial,42" sump riser,36" manhole,Octagonal Base, Single Wall	\$3,586.00
DMM4236-1/0-OC-S	Sump Kit for Defender Multiport,medium burial,42" sump riser,36" manhole,Octagonal Base, Single Wall	\$2,829.00

\*All 42" octagonal multi-port sumps have a 42" base diameter, minimum 36" manway size and a 39" riser diameter.

**Multi-port Watertight Sump Shield Kits\***

Model	Description	List
DMP36-1-WTSS-32	36" Defender Multiport Water Tight Sump Shield, 32" sump riser, One Spill Container	\$2,040.00
DMP36-2-WTSS-32	36" Defender Multiport Water Tight Sump Shield, 32" sump riser,Two Spill Containers,One Access Port	\$2,170.00
DMP36-1-WTSS-33	36" Defender Multiport Water Tight Sump Shield,33" bottleneck sump riser,One Spill Container	\$1,710.00
DMP36-1-WTSS-42	36" Defender Multiport Water Tight Sump Shield,42" sump riser,One Spill Container	\$1,745.00
DMP36-2-WTSS-33	36" Defender Multiport Water Tight Sump Shield,33" bottleneck sump riser,Two Spill Containers,One access port	\$1,777.00
DMP36-2-WTSS-42	36" Defender Multiport Water Tight Sump Shield,42" sump riser,Two Spill Containers,One access port	\$1,810.00
DMP42-1-WTSS-42	42" Defender Multiport Water Tight Sump Shield,42" sump riser,One Spill Container	\$1,859.00
DMP42-2-WTSS-42	42" Defender Multiport Water Tight Sump Shield,42" sump riser,Two Spill Containers; One Access Port	\$2,187.00
DMP42-4-WTSS-42	42" Defender Multiport Water Tight Sump Shield,42" sump riser,Four Spill Containers; One Access Port	\$2,203.00
DMP36-1-WTSS-48	36" Defender Multiport Water Tight Sump Shield,48" sump riser,One Spill Container	\$1,973.00
DMP36-2-WTSS-48	36" Defender Multiport Water Tight Sump Shield,48" sump riser,Two Spill Containers,One Access port	\$2,040.00

\*See catalog for recommended applications

**Watertight Fiberglass Multi-port Sump Kit Accessories**
**Fiberglass Seam Adhesive Kit**

Model	Description	List
FIBERGLASS-KIT	Includes mat, resin, putty and catalyst for one fiberglass seam, single or double wall. Also includes one roller (1/2' x 3'), three quart cups, one brush (2'), two stir sticks, one squeegee, and two pairs of gloves (large).	\$353.75

Note: Double wall applications may require two seam kits per seam.

**Boots**

Model	Description	List
WTRB-1315	REDUCING BOOT, 13'-15" with clamps	\$143.00

**Caps**

Model	Description	List
WTRC-0600	6" rubber cap with clamp for 6" access opening in watertight sump shield	\$81.00
WTRC-0800	8" rubber cap with clamp for 8" access opening in watertight sump shield	\$85.50
WTRC-1300	13" rubber cap with clamp for 13" access opening in watertight sump shield	\$86.50

**Phil-Tite Multiport Manways**

Model	Description	List
M36-1C-1-0-NPR	36" multi-port manway with one field replaceable spill container with drain, one 13" access opening, no plow ring	\$3,252.00
M36-1C-1-0-SPR	36" multi-port manway with one field replaceable spill container with drain, one 13" access opening, with plow ring	\$3,898.00
M36-2C-0-1-NPR	36" multi-port manway with one field replaceable spill container without drain, one with drain, one 8" access opening, no plow ring	\$3,989.00
M36-2C-0-1-SPR	36" multi-port manway with one field replaceable spill container without drain, one with drain, one 8" access opening, with plow ring	\$4,486.00
M42-1C-1-0-NPR	42" multi-port manway with one field replaceable spill container with drain, one 13" access opening, no plow ring	\$3,624.00
M42-2C-0-1-NPR	42" multi-port manway with one field replaceable spill container without drain, one with drain, one 8" access opening, no plow ring	\$4,277.00
M42-4C-0-1-NPR	42" multi-port manway with two field replaceable spill container without drain, two with drains, one 6" access opening, no plow ring	\$6,276.00

**Sump Shield Kits and Accessories**

Model	Description	List
MSC-XS36-1	Watertight sump shield with one spill container opening, 30" X 36" (31 5/8" OD, 31 1/4" ID), includes corresponding boots and clamps	\$2,077.00
MSC-XS36-3	Watertight sump shield with two spill container openings, 30" X 36" (31 5/8" OD, 31 1/4" ID), includes corresponding boots and clamps	\$2,209.00
MSC-4236-2-1	Watertight sump shield with one spill container opening, 42" X 36" (43" OD, 42 5/8" ID), includes corresponding boots and clamps	\$1,806.00
MSC-4242-1-0	Watertight sump shield with one spill container opening, 42" X 42" (43" OD, 42 5/8" ID), includes corresponding boots and clamps	\$1,786.00
MSC-4242-2-1	Watertight sump shield with one spill container opening, 42" X 42" (43" OD, 42 5/8" ID), includes corresponding boots and clamps	\$2,088.00
MSC-4242-4-1	Watertight sump shield with one spill container opening, 42" X 42" (43" OD, 42 5/8" ID), includes corresponding boots and clamps	\$2,231.00
FIBERGLASS-KIT	Fiberglass seam kit - includes matte, resin, putty and catalyst for (1) fiberglass seam, single or double wall, plus (1) 3" x 1/2" roller, (3) quart cups (1) 2" brush, (2) stir sticks, (1) squeegee, (2) pairs of large gloves	\$353.75
WTRB-1013	85000 and 85000-I series spill container reducer boot with clamp for spill bucket to WTSS	\$144.00
WTRC-0600	6" rubber cap with clamp for 6" access opening in watertight sump shield	\$81.00
WTRC-0800	8" rubber cap with clamp for 8" access opening in watertight sump shield	\$85.50
WTRC-1300	13" rubber cap with clamp for 13" access opening in watertight sump shield	\$86.50

**Phil-Tite Replacement Spill Containers**

Model	Description	List
85100-1*	Replacement 5 gallon 85000-1 fill spill bucket, with drain valve	\$838.00
85101-1*	Replacement 5 gallon 85000-1 vapor spill bucket, without drain valve	\$730.00
85100	Replacement 3.5 gallon Phil-Tite spill bucket, with drain valve	\$838.00
85101	Replacement 3.5 gallon Phil-Tite spill bucket, without drain valve	\$730.00

**Phil-Tite Replacement Parts**

Model	Description	List
85011-1	Grey ductile cast iron cover with wiper seal	\$375.00
SC-1513V	U-shaped seal for ductile cast iron lid	\$96.00
85031-1	Stainless steel retaining ring for screen and filter	\$61.00
85035	Shut-off collar to screen, upper O-ring	\$17.00
85039	1/4" fl at seal-riser tube, inner O-ring	\$18.00
85036	Outer spill bucket U-shaped seal for 85000 Series	\$64.25
85036-1	Outer spill bucket U-shaped seal for 85000-1 Series	\$71.00
85009	Direct bury stainless steel sleeve	\$393.00
85400	Drain valve handle and valve assembly	\$462.00

**Spill Container Accessories**

Model	Description	List
PP-1005-TB	Debris bucket without pump	\$81.00
PP-1005-TBP	Debris bucket with pump	\$146.00
MF 4X4	4" x 4" threaded riser adapter	\$160.00
M-1600	Riser alignment bracket for 16" center	\$236.00

**Cover Removal Tool**

Model	Description	List
T-7200	Cast iron cover removal tool	\$238.00

**Defender Series™ Overfill Prevention Valve**

Model	Description	List
708591901	Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube	\$847.00
708591902	Defender Series™ overfill prevention valve with 5' top drop tube, 10' bottom drop tube	\$938.00
708591921	Defender Series™ overfill prevention valve with 5' top drop tube, 8' bottom drop tube, AGB compatible*	\$1,217.00
708591922	Defender Series™ overfill prevention valve with 5' top drop tube, 10' bottom drop tube, AGB compatible*	\$1,307.00
708592901	Defender Series™ overfill prevention valve with 10' top drop tube, 8' bottom drop tube	\$995.00
708592902	Defender Series™ overfill prevention valve with 10' top drop tube, 10' bottom drop tube	\$1,087.00
708592921	Defender Series™ overfill prevention valve with 10' top drop tube, 8' bottom drop tube, AGB compatible*	\$1,217.00
708592922	Defender Series™ overfill prevention valve with 10' top drop tube, 10' bottom drop tube, AGB compatible*	\$1,307.00
708593901	Defender Series™ overfill prevention valve, coaxial with 6.5' top drop tube, 8' bottom drop tube	\$1,205.00
708593902	Defender Series™ overfill prevention valve, coaxial with 6.5' top drop tube, 10' bottom drop tube	\$1,295.00
708593923	Defender Series™ overfill prevention valve, poppeted coaxial with 6.5' top drop tube, 8' bottom drop tube	\$1,534.00
708593924	Defender Series™ overfill prevention valve, poppeted coaxial with 6.5' top drop tube, 10' bottom drop tube	\$1,622.00
708594901	Defender Series™ overfill prevention valve only with top adapter, AGB compatible*	\$795.00
708594902	Defender Series™ overfill prevention valve only with coaxial top adapter, AGB compatible*	\$795.00
708535901	Roll crimping tool	\$505.00
708530930	Replacement roll crimper tool roller bit for retrofit with existing tool	\$36.50
CW1	Cutting wheel, pipe cutter	\$64.75
708534901	Remote testing tool, 11' long sectional/collapsible	\$120.00
708534902	Coaxial Remote testing tool, 11' long sectional/collapsible	\$120.00

\*Alcohol, gas, biofuel compatible (E-85, gasoline and biodiesel) models come with hard coated anodized drop tubes for full compatibility.

**Defender Series Replacement Parts**

Model	Description	List
708526901	Upper tube adapter kit	\$75.50
1103942	Spare o-ring	\$7.50
85039-DT	Spare drop tube seal	\$21.00
70821705	5' Flanged-top drop tube (multiples of 4)	\$81.75
708542908	8' Spare thread-on bottom drop tube assembly, 2-pk	\$388.00
708542910	10' Spare thread-on bottom drop tube assembly, 2-pk	\$422.00

**Autolimiter® II Automatic Shut-Off Valve**

Model	Description	List
70849101	Dual Point with 5' top drop tube, 8' bottom drop tube (172' OAL)	\$865.00
70849404	Dual Point with valve/adaptor kit (drop tubes not included)	\$752.00
1118201	4" drop tube gasket	\$8.25
1137201	Autolimiter cold weld bonding compound	\$72.25
30330101	Coaxial connection fitting	\$94.50
70849603	Autolimiter 8' thread-on replacement bottom tube (2-pack)	\$430.00

**Remote Fill Kits**

Model	Description	List
708556901	Remote fill kit for use with Defender Series	\$223.00
70832002	Remote fill kit for use with Autolimiter	\$391.00

**782 Drop Tubes**

Model	Description	List
78220212	2' x 12' drop tubes, 6 per box	\$98.75
78220312	3' x 12' drop tubes, 4 per box	\$113.00
78220410-2*	4" x 10' drop tubes, 2 per box	\$265.00
78220412-2*	4" x 12' drop tubes, 2 per box	\$271.00
78220415-2*	4" x 15' drop tubes, 2 per box	\$388.00
78220430-2**	4" x 10' drop tubes, 2 per box	\$676.00
78220432-2**	4" x 12' drop tubes, 2 per box	\$772.00

**Tank Bottom Protectors**

Model	Description	List
TBP-3516-E**	Tank bottom protector	\$140.00

\*\*Biofuel approved model (E85 and Biodiesel).

**Probe Cap and Adapter Kit**

Model	Description	List
90037-E*	Probe Cap and Adapter Kit	\$111.00
95021501	Replacement nitrile gasket for cap	\$11.00

\*CARB: EVR Phase 1 Certification VR-101 for gas and E85.

**Sealing Dip Cap**

Model	Description	List
405718901	3" BSPP Dip Cap	\$414.00
405718902	3" NPSM Dip Cap	\$414.00
405755901	3" BSPP to 2" BSPT Adaptor	\$156.00
405756901	3" BSPP to 2" NPT Adaptor	\$149.00

**Shear Valves**
**662 Emergency Shut-off Valves**

Model	Description	List
662500901	Single poppet, union, 1½" NPT, E-coat AGB	\$252.00
662500902	Single poppet, female, 1½" NPT, E-coat AGB	\$167.00
662500903	Single poppet, male, 1½" NPT, E-coat AGB	\$174.00
662510902	Single poppet, female, 1½" BSPT, E-coat AGB	\$176.00
662510903	Single poppet, male, 1½" BSPT, E-coat AGB	\$179.00
662501901	Double poppet, union, 1½" NPT, E-coat AGB	\$294.00
662501902	Double poppet, female, 1½" NPT, E-coat AGB	\$213.00
662501903	Double poppet, male, 1½" NPT, E-coat AGB	\$217.00
662511902	Double poppet, female, 1½" BSPT, E-coat AGB	\$220.00
662511903	Double poppet, male, 1½" BSPT, E-coat AGB	\$223.00
662502902	Double poppet, N/C, female, 1½" NPT, E-coat AGB	\$220.00

**Emergency Shut-off Valve Accessories**
**U-Bolt Kit**

Model	Description	List
66213801	662 shear valve U-bolt kit	\$26.00

**Fulcrum Arm**

Model	Description	List
90074	662 shear valve Fulcrum arm with Hex	\$11.75

**Emergency Shut-off Valve Replacement Tops**
**1-1/2" Union Replacement Adapter Models**

Model	Description	List
662500201	Emergency shut-off valve replacement tops, pressure, single poppet union	\$201.00
662501201	Emergency shut-off valve replacement tops, pressure, double poppet union	\$212.00

**1-1/2" Female Replacement Adapter Models**

Model	Description	List
662500202	Emergency shut-off valve replacement tops, pressure, single poppet female	\$76.50
662501202	Emergency shut-off valve replacement tops, pressure, double poppet female	\$133.00
662502202	Emergency shut-off valve replacement tops, suction (normally closed), double poppet female	\$106.00
662510202	Emergency shut-off valve replacement tops, pressure, single poppet female-BSPT	\$49.00
662511202	Emergency shut-off valve replacement tops, pressure, double poppet female-BSPT	\$139.00

**1-1/2" Male Replacement Adapter Models**

Model	Description	List
662500203	Emergency shut-off valve replacement tops, pressure, single poppet male	\$82.75
662501203	Emergency shut-off valve replacement tops, pressure, double poppet male	\$129.00
662510203	Emergency shut-off valve replacement tops, pressure, single poppet male-BSPT	\$59.50

**362 Vapor Shear Valve**

Model	Description	List
36220603	1" x 1-1/2" NPT thread vapor shear valve	\$212.00
36220621	1" x 1-1/2" BSPT thread vapor shear valve	\$217.00

**DEF Shear Valves**

Model	Description	List
663100001	DEF shear valve, 1½" NPT inlet, 1" outlet	\$343.00
663100021	DEF shear valve, 1½" BSPT inlet, 1" outlet	\$343.00
66320000	Mounting bracket for DEF shear valve including U-bolt, nuts and bracket guides	\$51.00



### Flexible Connectors Model Number Reference Chart

Use the following guidelines to create Flex connector model numbers:

**AB-X-C-D-X-E** (X is non-adjustable model number element)

#### **A = Product Type**

FFUL = If both end connections are fixed (no swivels)

FF = If either of the end connections are any type of swivel

#### **B = Hose Diameter**

07 = ¾" (19mm)

10 = 1" (25mm)

15 = 1 ½" (38mm)

20 = 2" (50mm)

30 = 3" (75mm)

40 = 4" (100mm)

#### **C = Overall length (OAL) in inches**

Use a two-digit format for whole inches. Minimum lengths vary based on hose diameter and end fitting configuration. For hose diameters of 1 ½" or less, a minimum of OAL of 10" is generally required. For hose diameters of 2" or more, a minimum OAL of 12" or more may be necessary. The maximum OAL is 9' (108") for hose diameter of 1 1/2" or greater.

#### **D and E = End Fittings**

M = Male Fixed NPT

F = Female Fixed NPT (Use 2F if transitioning from 1.5" hose diameter to 2" end fitting)

HM = Hex Male Fixed NPT (not available on 3" or 4" connectors)

HF = Hex Female Fixed NPT (not available on 3" or 4" connectors)

M346 (a.k.a MS) = Male Swivel NPT (not available on 3" or 4" connectors)

F346 = Female Swivel NPT (not available on 3" or 4" connectors)

BT = Hex Male Fixed BSPT

BTS = Male Swivel BSPT (not available on 3" or 4" connectors)

FG = Fiberglass Pipe

MS90 = 90° Elbow with Male Swivel NPT)

EZ = EZ FIT Flange Connection Only

EZM = EZ FIT Male NPT

EZF = EZ FIT Female NPT

EZFG9 = EZ FIT 2" 90° Elbow

EZFGT = EZ FIT tee for 2" glued fiberglass pipe

EZFFT = Welded tee with EZ FIT Female NPT Connections

**Flexible Connector Common Configurations**

Model	Description	List
FFUL15X18HMXHM	1 ½" dia flex w/ 1 ½" hex male by 1 ½" hex male; 18" OAL	\$124.00
FFUL20X18HMXHM	2" dia flex w/ 2" hex male by 2" hex male; 18" OAL	\$176.00
FFUL30X18MXM	3" dia flex w/ 3" male by 3" male; 18" OAL	\$298.00
FF10X18HMXM346	1" dia flex w/ 1" hex male by 1" male swivel; 18" OAL	\$122.00
FF15X12HMXM346	1 ½" dia flex w/ 1 ½" hex male by 1 ½" male swivel; 12" OAL	\$142.00
FF15X15HMXM346	1 ½" dia flex w/ 1 ½" hex male by 1 ½" male swivel; 15" OAL	\$148.00
FF15X16HMXM346	1 ½" dia flex w/ 1 ½" hex male by 1 ½" male swivel; 16" OAL	\$150.00
FF15X18HMXM346	1 ½" dia flex w/ 1 ½" hex male by 1 ½" male swivel; 18" OAL	\$154.00
FF15X24HMXM346	1 ½" dia flex w/ 1 ½" hex male by 1 ½" male swivel; 24" OAL	\$166.00
FF20X12HMXM346	2" dia flex w/ 2" hex male by 2" male swivel; 12" OAL	\$185.00
FF20X15HMXM346	2" dia flex w/ 2" hex male by 2" male swivel; 15" OAL	\$195.50
FF20X18HMXM346	2" dia flex w/ 2" hex male by 2" male swivel; 18" OAL	\$206.00
FF20X24HMXM346	2" dia flex w/ 2" hex male by 2" male 346 swivel; 24" OAL*	\$227.00
FF20X30HMXM346	2" dia flex w/ 2" hex male by 2" male 346 swivel; 30" OAL*	\$248.00
FF15X12M346X2F	1 ½" dia flex w/ 1 ½" male swivel by 2" hex female; 12" OAL	\$157.00
FF15X18M346X2F	1 ½" dia flex w/ 1 ½" male 346 swivel by 2" hex female; 18" OAL	\$169.00
FF20X18M346XF	2" dia flex w/ 2" male 346 swivel by 2" hex female; 18" OAL	\$246.00
FF20X24M346XF	2" dia flex w/ 2" male 346 swivel by 2" hex female; 24" OAL	\$232.00
FF15X12BTXBTS	1 ½" dia flex w/ 1 ½" BSPT hex male by 2" 1 ½" BSPT male swivel; 12" OAL	\$128.00
FF15X16BTXBTS	1 ½" dia flex w/ 1 ½" BSPT hex male by 1 ½" BSPT male swivel; 16" OAL	\$136.00
FF15X18BTXBTS	1 ½" dia flex w/ 1 ½" BSPT hex male by 1 ½" BSPT male swivel; 18" OAL	\$140.00
FF20X30BTXBTS	2" dia flex w/ 1 ½" BSPT hex male by 2" BSPT male swivel; 30" OAL	\$234.00
FF15X18EZMXEZFFT	1 ½" dia flex w/ 2" EZ FIT male by 2" EZ FIT tee; 18" OAL	\$351.00
FF15X15EZMXEZM	1 ½" dia flex w/ 2" EZ FIT male NPT by 2" EZ FIT male NPT; 15" OAL	\$246.00
FF15X18EZMXEZM	1 ½" dia flex w/ 2" EZ FIT male NPT by 2" EZ FIT male NPT; 18" OAL	\$252.00
FF20X18HMXEZF	2" dia flex w/ 2" hex male by 2" EZ FIT female; 18" OAL	\$252.00
FF15X18HMXEZFG9	1 ½" dia flex w/ 1 ½" hex male by 2" EZ FIT FG 90° elbow; 18" OAL	\$261.00
FF15X18HMXEZM	1 ½" dia flex w/ 1 ½" hex male by 2" EZ FIT male NPT; 18" OAL	\$188.00
FF15X24HMXEZM	1 ½" dia flex w/ 1 ½" hex male by 2" EZ FIT male NPT; 24" OAL	\$212.00
FF15X12MSXEZ	1 ½" dia flex w/ 1 ½" male swivel by 2" EZ FIT flange; 12" OAL	\$151.00
FF15X12MSXEZM	1 ½" dia flex w/ 1 ½" male swivel by 2" EZ FIT male NPT; 12" OAL	\$206.00
FF15X18MSXEZM	1 ½" dia flex w/ 1 ½" male swivel by 2" EZ FIT male NPT; 18" OAL	\$218.00
FF15X18MSXEZFG9	1 ½" dia flex w/ 1 ½" male swivel by 2" EZ FIT FG 90° elbow; 18" OAL	\$291.00
FF15X12SSHMXEZ	1 ½" dia flex w/ 1 ½" stainless steel hex male by 2" EZ FIT flange; 12" OAL	\$189.00



## SERVICE STATION HARDWARE

### Additional Flexible Connector Configurations

For additional flexible connector configurations, use the model number reference chart and the list price estimator below. If the options you need are not shown, contact Customer Service for assistance.

#### **W + (C\*Y) + Z<sub>D</sub> + Z<sub>E</sub> = Estimated list price**

W = unit list price

C = OAL in inches

Y = per inch list price

Z<sub>D</sub> = list price Z for end fitting D

Z<sub>E</sub> = list price Z for end fitting E

Model	Hose Type	W	Y
FFUL07XCDXE	¾" dia, both end connections fixed	\$4.50	\$1.00
FFUL10XCDXE	1" dia, both end connections fixed	\$11.00	\$1.50
FFUL15XCDXE	1 ½" dia, both end connections fixed	\$34.00	\$2.00
FFUL20XCDXE	2" dia, both end connections fixed	\$59.00	\$3.50
FFUL30XCDXE	3" dia, both end connections fixed	\$136.00	\$6.00
FFUL40XCDXE	4" dia, both end connections fixed	\$410.00	\$11.50
FF07XCDXE	¾" dia, w/ swivel or EZ FIT connection(s)	\$4.50	\$1.00
FF10XCDXE	1" dia, w/ swivel or EZ FIT connection(s)	\$11.00	\$1.50
FF15XCDXE	1 ½" dia, w/ swivel or EZ FIT connection(s)	\$34.00	\$2.00
FF20XCDXE	2" dia, w/ swivel or EZ FIT connection(s)	\$59.00	\$3.50
FF30XCDXE	3" dia, w/ swivel or EZ FIT connection(s)	\$136.00	\$6.00
FF40XCDXE	4" dia, w/ swivel or EZ FIT connection(s)	\$410.00	\$11.50

\*End fittings for 3" and 4" diameter flex hoses are subject to additional charges.

\*\*Sizing up end fittings (i.e. 1" hose to 2" end fitting) may be subject to additional charges.

Example: FF15X17HMXM346 = \$30.00 + (17 \* \$2.00) + \$26.00 + \$56.00 = \$146.00

Example: FF20X12SSHMXSSEZM = \$57.00 + (12 \* \$3.25) + \$92.00 + \$100.00 = \$288.00

End Fittings	Z*
M	\$27.00
F	\$32.00
HM	\$27.00
HF	\$32.00
M346	\$57.00
F346	\$67.00
BT	\$27.00
BTS	\$43.00
MS90	\$122.00
EZ	\$36.00
EZM	\$91.00
EZF	\$103.00
EZFG9	\$164.00
EZFGT	\$263.00
EZFFT	\$190.00

SS End Fittings	Z*
SSHM	\$95.00
SSHF	\$106.00
SSEZM	\$105.00
SSEZF	\$116.00

**EZ Fit System Flexible Connectors**

Model	Description	List
FF15X12HMXEZ	1 1/2" dia flex w/ hex male by EZ FIT flange, 12" OAL	\$121.00
FF15X15HMXEZ	1 1/2" dia flex w/ hex male by EZ FIT flange, 15" OAL	\$127.00
FF15X18HMXEZ	1 1/2" dia flex w/ hex male by EZ FIT flange, 18" OAL	\$133.00
FF15X21HMXEZ	1 1/2" dia flex w/ hex male by EZ FIT flange, 21" OAL	\$139.00
FF20X12HMXEZ	2" dia flex w/ hex male by EZ FIT flange, 12" OAL	\$164.00
FF20X15HMXEZ	2" dia flex w/ hex male by EZ FIT flange, 15" OAL	\$174.50
FF20X18HMXEZ	2" dia flex w/ hex male by EZ FIT flange, 18" OAL	\$185.00
FF20X24HMXEZ	2" dia flex w/ hex male by EZ FIT flange, 24" OAL	\$206.00

**EZ Fit System Accessories**

Model	Description	List
EZFITXEZFIT	2" EZ FIT x EZ FIT connector, stainless steel	\$81.00
EZBLANK	2" EZ FIT blank, stainless steel	\$33.75
EZ30BLANK	3" EZ FIT blank, stainless steel	\$63.00
EZXEX20BV	2" EZ FIT x EZ FIT x 2" ball valve	\$280.00
EZX20BV	2" EZ FIT x 2" ball valve	\$217.00
EZXEX20BVSS	2" EZ FIT x EZ FIT x 2" ball valve, stainless steel	\$500.00
EZX20BVSS	2" EZ FIT x 2" ball valve, stainless steel	\$392.00
EZ30XEZ30X30BV	3" EZ FIT x EZ FIT x 3" ball valve	\$730.00
EZXEZ90	EZ FIT x EZ FIT x 90° elbow, all stainless steel	\$114.00
EZ30XEZ3090	3" EZ FIT x 3" EZ FIT x 90° elbow, all stainless steel	\$213.00
EZXEXEZTEE	2" EZ FIT x 2" EZ FIT x 2" EZ FIT 1/2" tee, stainless steel	\$163.00
EZ30XEZ30XEZ30T	3" EZ FIT x 3" EZ FIT x 3" EZ FIT tee, stainless steel	\$477.00
EZ20XEZ20TEEFF	2" EZ FIT x 2" EZ FIT x 2" EZ FIT 2" tee, stainless steel	\$200.00
EZX15HM90	1 1/2" EZ FIT x hex male 90° elbow, nickel plated male threads	\$93.00
EZX20HM90	2" EZ FIT x hex male 90° elbow, nickel plated female threads	\$103.00
EZX20HM90SS	2" EZ FIT x hex male 90° elbow, all stainless steel	\$228.00
EZX30M90	3" EZ FIT x 3" male 90° elbow, nickel plated male threads	\$155.00
EZX20HF90	2" EZ FIT x 2" female 90° elbow, nickel plated female threads	\$119.00
EZX30F90	3" EZ FIT x 3" female 90° elbow, nickel plated female threads	\$197.00
EZX20FG90	2" EZ FIT x 2" fiberglass glue pipe 90° elbow, nickel plated glue fitting	\$89.00
EZX30FG90	3" EZ FIT x 3" fiberglass glue pipe 90° elbow, nickel plated glue fitting	\$248.00
EZX20FGTEE	2" EZ FIT x 2" fiberglass glue pipe tee, nickel plated glue fitting	\$166.00
EZX30FGTEE	3" EZ FIT x 3" fiberglass glue pipe tee, nickel plated glue fitting	\$572.00
EZ10X10HMSS	1" EZ FIT x hex male, stainless steel	\$109.00
EZX15HMPL	1 1/2" EZ FIT x hex male, nickel plated	\$49.50
EZX15HMSS	1 1/2" EZ FIT x hex male, stainless steel	\$145.00
EZX20HMPL	2" EX FIT x hex male, nickel plated	\$54.75
EZX20HMSS	2" EZ FIT x hex male, stainless steel	\$195.00
EZX30MP	3" EZ FIT x male, nickel plated	\$95.00
EZX15HFSS	1 1/2" EZ FIT x hex female, stainless steel	\$140.00
EZX20HFPL	2" EZ FIT x hex female, nickel plated	\$62.00
EZX20HFSS	2" EZ FIT x hex female, stainless steel	\$144.00

**EZ Fit System Accessories, continued**

Model	Description	List
EZX20FGPL	2' EZ FIT x 2" fiberglass glue pipe, nickel plated	\$57.00
EZX30FGPL	3' EZ FIT x 3" fiberglass glue pipe, nickel plated	\$122.00
EZ10CLAMP	1" EZ FIT clamp	\$26.25
EZCLAMP	2' EZ FIT clamp	\$26.50
EZ30CLAMP	3' EZ FIT clamp	\$41.25
407493001	1" EZ FIT gasket	\$9.50
407493002	2' EZ FIT gasket	\$22.25
407493003	3' EZ FIT gasket	\$35.75

**Ball Valves**

Model	Description	List
BV150FPBRASS	1½" ball valve, brass	\$104.00
BV200FPBRASS	2" ball valve, brass	\$174.00
BV300FPBRASS	3" ball valve, brass	\$508.00
BV150FPSS	1½" ball valve, stainless steel	\$281.00
BV200FPSS	2" ball valve, stainless steel	\$506.00
BV300FPSS	3" ball valve, stainless steel	\$937.00

**Flexible Connector Isolation Accessories**
**Yellow Jacket Easy Fit Boot**

Model	Description	List
YJVSLEEVE	30" Yellow Jacket Easy Fit boot with Velcro™ seal	\$83.00
YJVSLEEVEII	30" Yellow Jacket Easy Fit boot with Velcro™ seal, adhesive, straps and two mounting collars	\$119.00
YJVSLEEVE25	25' Yellow Jacket Easy Fit boot with Velcro™ seal	\$795.00
YJVSLEEVE50	50' Yellow Jacket Easy Fit boot with Velcro™ seal	\$1,587.00

**Yellow Jacket Boot**

Model	Description	List
YJ32BOOT	3½" ID x 30" Yellow Jacket boot	\$69.00
YJ32BOOTKIT-40	3½" ID x 40" Yellow Jacket boot boot, adhesive, straps and two mounting collars	\$117.00

**Yellow Jacket Heat Shrink Wrap**

Model	Description	List
YJHS03	36" Yellow Jacket heat shrink wrap	\$90.00
YJHS20	20' Yellow Jacket heat shrink wrap	\$611.00
YJHS50	50' Yellow Jacket heat shrink wrap	\$1,524.00
FLEXWRAP47X03	4.7" x 3' heat shrink sleeve	\$165.00

**DEF Flexible Connectors Common Configurations**

Model	Description	List
DEF10SSBVKITJ	DEF ball valve kit	\$471.00
DEF07X11HMXEZHM	¾" x 11" DEF hose, hex male x EZ FIT hex male	\$189.00
DEF10X12MXM	1" x 12' DEF hose, hex male x hex male	\$134.00
DEF10X18MXM	1" x 18" DEF hose, hex male x hex male	\$151.00
DEF15X12MXM	1.5' x 12' DEF hose, hex male x hex male	\$306.00
DEF15X18MXM	1½" x 18" DEF hose, hex male x hex male	\$310.00
DEF15X18MXEZM	1½" x 18" DEF hose, hex male x EZ FIT hex male	\$370.00
DEF20X12MXM	2" x 12' DEF hose, hex male x hex male	\$429.00
DEF20X18MXEZM	2" x 18" DEF hose, hex male x EZ FIT hex male	\$522.00
DEF20X18MXEZF9	2" x 18" DEF hose, hex male x EZ FIT female NPT 90°	\$439.00
DEF20X30MXF	2" x 30' DEF hose, hex male x hex female	\$521.00

**UPP™ Composite Manways**
**BS EN124 Certified C250/D400**

Model	Description	List
PCR090	35" (900mm) composite access cover, C250 rating	\$1,491.00
PCR090-DIP	35" (900mm) composite access cover with integrated dip inspection port, C250	\$1,606.00
PDR090	35" (900mm) composite access cover, D400 rating	\$1,672.00
PXR090-OCH-SK	35" (900mm) fiberglass skirt, for use with OCH tank chambers. Compatible with PCR090 and PDR090 access covers.	\$457.00
PDR090-S	Replacement gasket for 35" (900mm) composite access covers (between cover and frame)	\$58.50
PCR106	42" (1,060mm) composite access cover	\$1,720.00
PCR106-DIP	42" (1,060mm) composite access cover with integrated dip inspection port	\$2,007.00
PCR106-OCH1400-SK	Fiberglass skirt for PCR106, for use with OCH tank camber	\$347.00
PCR106-TSM4542-SK	Fiberglass skirt for PCR106, for use with TSM tank camber	\$348.00
PCR-LIFT	Lifting handle tool for PCR106 composite access cover	\$429.00
PCR-LOCK	Replacement locking mechanism for PCR106 composite access cover (between cover and frame)	\$102.00

**EBW 30", 36", 42" Composite Manways**
**H20 and HS20 load tested**

Model	Description	List
78143012GRY	30" manway with gray bolted FRC cover, 12" skirt	\$1,275.00
78143013GRY	30" manway with gray FRC cover, 12" skirt	\$1,254.00
78145906	30" gray bolted FRC, cover only	\$883.00
78149006	30" gray FRC, cover only	\$862.00
78143312GRY	36" manway with gray bolted FRC cover, 12" skirt	\$1,447.00
78143313GRY	36" manway with gray FRC cover, 12" skirt	\$1,426.00
78148512GRY	36" manway with gray slide action FRC cover, 12" skirt	\$1,458.00
78145606	36" gray bolted FRC, cover only	\$1,029.00
78144806	36" gray FRC, cover only	\$1,008.00
78148206	36" gray slide action FRC, cover only	\$1,040.00
78144312GRY	42" manway with gray bolted FRC cover, 12" skirt	\$1,808.00
78144318GRY	42" manway with gray bolted FRC cover, 18" skirt	\$1,817.00
78144412GRY	42" manway with gray bolted FRC cover, 42"x8" top skirt and 52"x14" bottom skirt	\$3,124.00
78144313GRY	42" manway with gray FRC cover, 12" skirt	\$1,777.00
78148612GRY	42" manway with gray slide action FRC cover, 12" skirt	\$1,876.00
78144106	42" gray bolted FRC, cover only	\$1,390.00
78144506	42" gray FRC, cover only	\$1,359.00
78148306	42" gray slide action FRC, cover only	\$1,458.00

**EBW 36", 42" Aramid Composite Replacement Covers**

H2O and HS20 load tested

Model	Description	List
78045606	36" gray bolted FRC Aramid cover	\$1,454.00
78044806	36" gray FRC Aramid cover	\$1,433.00
78044106	42" gray bolted FRC Aramid cover	\$1,974.00
78044506	42" gray FRC Aramid cover	\$1,943.00

Note: Please contact Customer Service for lead times.

**EBW 12", 18" Composite Manways**

H2O and HS20 load tested

Model	Description	List
78121212BLK	12" manway with black FRC cover, 12" skirt	\$271.00
78121212ORG	12" manway with orange FRC cover, 12" skirt	\$309.00
78121224BLK	12" manway with black FRC cover, 24" skirt	\$327.00
78130201	12" black FRC, cover only	\$198.00
78130207	12" orange FRC, cover only	\$207.00
78141808BLK	18" manway with black FRC cover, 8" skirt	\$332.00
78141812BLK	18" manway with black FRC cover, 12" skirt	\$338.00
78141818BLK	18" manway with black FRC cover, 18" skirt	\$312.00
78147865	18" manway with black bolted FRC cover, 8" skirt	\$733.00
78147824	18" manway with black bolted FRC cover, 24" skirt	\$651.00
78130401	18" black FRC, cover only	\$194.00
78130402	18" white FRC, cover only	\$277.00
78130403	18" red FRC, cover only	\$277.00
78130405	18" yellow FRC, cover only	\$277.00
78130407	18" orange FRC, cover only	\$277.00
78133401	18" black FRC bolt down, cover only	\$217.00
78130011	18" Skirt/Ring Assembly, 18" X 11.1"	\$137.00

**FLEX-ING 38", 42" Composite Manways**

H2O and HS20 load tested

Model	Description	List
14U-3810	38" Composite manhole cover, ring, and 10" skirt	\$820.00
14U-3810C	38" Composite manhole, cover only	\$641.00
14U-RT3810	38" Raintight Composite manhole cover, ring, and 10" skirt	\$951.00
14U-RT3810C	38" Raintight Composite manhole, cover only	\$772.00
14U-RT3810CL	38" Raintight Composite manhole with cam locks and 10" skirt	\$982.00
14U-RT3810CLC	38" Raintight Composite manhole with cam locks, cover only	\$803.00
14U-4210	42" Composite manhole cover, ring, and 10" skirt	\$909.00
14U-4210C	42" Composite manhole, cover only	\$756.00
14U-RT4210	42" Raintight Composite manhole cover, ring, and 10" skirt	\$1,050.00
14U-RT3810C	42" Raintight Composite manhole, cover only	\$898.00
14U-RT4210CL	42" Raintight Composite manhole with cam locks and 10" skirt	\$1,082.00
14U-RT4210CLC	42" Raintight Composite manhole with cam locks, cover only	\$929.00

**FLEX-ING Replacement Composite Manhole covers**

Model	Description	List
14U-39R	39" RLine Composite Replacement cover (Replaces OPW's standard Conquistador)	\$746.00
14U-44R	44" RLine Composite Replacement cover (Replaces OPW's standard Conquistador)	\$845.00
14U-39MOR	39" MORCORE Composite Replacement cover (Replaces Morrison composite covers)	\$824.00
14U-44MOR2	44" MORCORE Composite Replacement cover, 2.17" depth (Replaces Morrison composite covers)	\$977.00

**FLEX-ING Universal Lifting and Cam Lock Tool**

Model	Description	List
EUEVHANDLE	Universal lifting and cam lock tool	\$257.00

**FLEX-ING Replacement Parts**

Model	Description	List
BOLT KIT	Replacement gasket and bolt kit for bolt down style covers (includes gasket material and four bolts)	\$38.25
NONBOLT KIT	Replacement gasket kit for non bolt down (lay in and cam lock) style covers (includes gasket material only)	\$25.50
CAMLOCK KIT	Replacement gasket and hardware for cam lock style covers (includes four cam locks, eight nuts, four bolts, four O-rings and gasket material)	\$187.00
HANDLE KIT	Replacement handle kit	\$73.00

**Metallic Manways**
**7-1/2" to 18" Round Manways**

Model	Description	List
78120808	7.5' manway with cast iron cover, 8' skirt	\$99.75
78140201	7.5' cast iron, cover only	\$40.50
78121212CI	12' manway with cast iron cover, 12' skirt	\$137.00
78121212CI-H	12' manway with cast iron cover with handle, 12' skirt	\$150.00
78121224CI	12' manway with cast iron cover, 24' skirt	\$291.00
78140001	12' cast iron, cover only	\$83.25
78140701	12' cast iron with handle, cover only	\$84.25
78141808STL	18' manway with steel cover, 8' skirt	\$272.00
78141812STL	18' manway with steel cover, 12' skirt	\$275.00
78141818STL	18' manway with steel cover, 18' skirt	\$283.00
SR1809WT	18' manway with steel bolt-down cover, 9' skirt	\$366.00
78130601	18" steel, cover only	\$172.00
SRC18WRS	18" steel bolt-down, cover only	\$173.00

**24" to 48" Round Manways**

Model	Description	List
SR2409HD	24" manway with steel cover, 9' skirt	\$515.00
SR3009HD	30" manway with steel cover, 9' skirt	\$798.00
SR3609HD	36" manway with steel cover, 9' skirt	\$982.00
SR3609WT	36" manway with steel bolt-down cover, bolted, 9' skirt	\$1,026.00
SR3809HD	38" manway with steel cover, 9' skirt	\$974.00
SR3809WT	38" manway with steel bolt-down cover, bolted, 9' skirt	\$1,125.00
SR4209HD	42" manway with steel cover, 9' skirt	\$1,805.00
SR4209WT	42" manway with steel bolt-down cover, 9' skirt	\$1,791.00
SR4809HD	48" manway with steel cover, 9' skirt	\$2,208.00
SR4809WT	48" manway with steel bolt-down cover, 9' skirt	\$2,390.00

Note: May require two week lead time. Consult factory for availability.

**Square Manway**

Model	Description	List
SSQ2409	24.00 × 24.00 steel square manhole	\$463.00

**16" and 24" Square Manways With Knock Down Skirts**

Model	Description	List
98710001	16" square steel manway, 7.5' skirt	\$268.00
98720001	24" square steel manway, 9' skirt	\$381.00
78920301	16" square steel, cover only	\$118.00
98720101	24" square steel, cover only	\$218.00
1102103	Nut	\$3.75

**Probe Access and Monitoring Wells**
**FLEX-ING Probe Access Manway**

Model	Description	List
20URTATG	Probe access manway, FRC cover	\$390.00
81830701	Replacement cover	\$228.00

**Monitoring Well Equipment**
**Monitoring Well Packages**

Model	Description	List
808-2-K	80840001 8" manway, 77210201 2" cap plug, 77320002 2" screen pipe	\$290.00
808-4-K	80840001 8" manway, 77210201 4" cap plug, 77320002 4" screen pipe	\$461.00
810-2-K	81030201 10" manway, 77210901 2" cap plug, 77320003 2" screen pipe	\$320.00
810-4-K	81030201 10" manway, 77210901 4" cap plug, 77320003 4" screen pipe	\$467.00
810-6-K	81030201 10" manway, 77210901 6" cap plug, 77320003 6" screen pipe	\$697.00
814-2-K	81030201 14" manway, 77210901 2" cap plug, 77320003 2" screen pipe	\$396.00
814-4-K	81030201 14" manway, 77210901 4" cap plug, 77320003 4" screen pipe	\$511.00
814-6-K	81030201 14" manway, 77210901 6" cap plug, 77320003 6" screen pipe	\$747.00

Note: Please contact Customer Service for lead times.

**Monitoring Well Manways**

Model	Description	List
80840001	8" cast iron monitoring well manway	\$220.00
81030201	10" cast iron monitoring well manway	\$225.00
81430201	14" cast iron monitoring well manway	\$297.00

**Monitoring Test Well Cap Plugs**

Model	Description	List
77210601	2" monitoring test well cap plug	\$35.00
77210201	4" monitoring test well cap plug	\$47.00
77210901	6" monitoring test well cap plug	\$92.00

**Monitoring Well Screen Pipe**

Model	Description	List
77320001	2" x 13' monitoring test well screen pipe	\$117.00
77320002	4" x 13' monitoring test well screen pipe, 27 lbs.	\$212.00
77320003	6" x 13' monitoring test well screen pipe	\$442.00
77320004	4" x 15' monitoring test well screen pipe, 31 lbs.	\$250.00
77320005	4" x 16' monitoring test well screen pipe, 31 lbs.	\$260.00

Note: Please contact Customer Service for lead times.

**PVC Well Screen Filter Wrap**

Model	Description	List
77310002	2" well screen filter wrap - 100'	\$207.00
77310004	4" well screen filter wrap - 100'	\$316.00

**Underground Storage Tank Accessories**
**308 Ball Float Vent Valves**
**2" Ball Floats**

Model	Description	List
308020003	2" Ball float , NPT , 3" nipple AGB	\$153.00
308020205	2" Ball float ,NPT , 5.12" nipple AGB	\$155.00
308020107	2" Ball float , NPT , 7" nipple AGB	\$157.00
308020112	2" Ball float , NPT , 12" nipple AGB	\$164.00
308020116	2" Ball float , NPT , 16" nipple AGB	\$168.00
308020119	2" Ball float , NPT , 19" nipple AGB	\$175.00
308023003*	2" Ball float , BSPT , 3" nipple AGB	\$149.00
308023107*	2" Ball float , BSPT , 7" nipple AGB	\$154.00
308023112*	2" Ball float , BSPT , 12" nipple AGB	\$158.00
308023116*	2" Ball float , BSPT , 16" nipple AGB	\$160.00
308023119*	2" Ball float , BSPT , 19" nipple AGB	\$165.00

\*Does not include adaptor

**3" Ball Floats**

Model	Description	List
308030005	3" Ball float, NPT, 5" nipple AGB	\$358.00
308030011	3" Ball float, NPT, 11" nipple AGB	\$364.00
308030012	3" Ball float, NPT, 12" nipple AGB	\$365.00
308030014	3" Ball float, NPT, 14" nipple AGB	\$367.00
308030018	3" Ball float, NPT, 18" nipple AGB	\$371.00
308030021	3" Ball float, NPT, 21" nipple AGB	\$374.00

**Adaptors (for use with Ball floats)**

Model	Description	List
30822802	2" Threaded Adaptor, NPT	\$81.75
30822803	3" Threaded Adaptor, NPT	\$81.75

**300 Series Extractor Vent Valves**

Model	Description	List
31040011	Extractor Valve without adaptor, 4" x 4" x 2", NPT	\$167.00
31140011	Extractor Valve without adaptor, 4" x 4" x 3", NPT	\$173.00
33040011	Extractor Valve without adaptor, 4" x 4" x 3" x 2", biofuels, NPT	\$235.00
33140011	Extractor Valve without adaptor,, 4" x 4" x 3" x 3", NPT	\$190.00
34040011	Extractor Valve without adaptor, 4" x 4" x 2" x 2", NPT	\$208.00
31040042	Extractor Valve without adaptor,, 4" x 4" x 2", BSPT	\$173.00
31140042	Extractor Valve without adaptor,, 4" x 4" x 3", BSPT	\$193.00
33040042	Extractor Valve without adaptor, 4" x 4" x 3" x 2", biofuels, BSPT	\$225.00
34040041	Extractor Valve without adaptor,, 4" x 4" x 2" x 2", BSPT	\$202.00

**Extractor Vent Valve Accessories**

Model	Description	List
76020101	4" pipe cap, brass	\$146.00
39120101	4" Test Plug	\$98.75
32110001	5' extractor wrench	\$390.00

**304 4" Vapor Recovery Cap**

Model	Description	List
30420006*	4" vapor recovery cap, glass-filled PBT	\$60.50
304200901	4" vapor recovery cap, glass-filled PBT, 20 pk	\$1,029.00
30420007	4" vapor recovery cap, glass-filled PBT w/ chain	\$63.50
30430103*	4" vapor recovery cap, aluminum, AGB	\$77.00
30430104	4" vapor recovery cap, aluminum w/chain, AGB	\$80.00
95021501	4" CARB approved gasket	\$11.00

\*CARB: EVR Phase 1 certification VR-101.

**300 Vapor Check Valve Adapter**

Model	Description	List
30021001	4" vapor check valve adapter, NPSM, anodized aluminum, AGB	\$152.00
30021031	4" vapor check valve adapter, BSPP, anodized aluminum, AGB	\$110.00
30022001	4" vapor check valve adapter, NPSM, brass	\$257.00
30022031	4" vapor check valve adapter, BSPP, brass	\$218.00
30030001	4" X 3" vapor check valve adapter NPSM, anodized aluminum,	\$165.00
30030031	4" X 3" vapor check valve adapter, BSPP, anodized aluminum	\$116.00

**306/708 4" Coaxial Vapor Recovery Adapters/Drop Tubes**

Model	Description	List
30630001	4" coaxial vapor recovery adapter, hard coated aluminum	\$109.00
30630021	4" coaxial vapor recovery adapter, hard coated aluminum-BSPT	\$109.00
708335901	4" poppetted coaxial vapor recovery adapter	\$270.00
708336901	Poppeted coaxial adaptor and drop tube kit	\$576.00
708340901	Tightening Tool	\$138.00

**Vapor Swivel Adapter**

Model	Description	List
70541301	RCA SS Vapor SWIVEL Kit (includes one 70521305 5" nipple, one 30430103 4" Aluminum Vapor Recovery Cap and one SWV-101-SS vapor swivel adapter)	\$568.00
70541302	RCA SS Vapor SWIVEL Kit (includes one 70521305 2.88" nipple, one 30430103 4" Aluminum Vapor Recovery Cap and one SWV-101-SS vapor swivel adapter)	\$563.00
70541503	RCA SS Vapor SWIVEL Kit (includes one 12.5" nipple, one 30420006 4" Glass-filled PBT Vapor Recovery Cap and one SWV-101-SS vapor swivel adapter)	\$555.00
SWFV-PKGSS**	Includes one SWF-100-SS and one SWV-101-SS swivel adapter	\$806.00
SWV-101-SS**	4" stainless steel vapor swivel adapter, stainless steel	\$478.00
SWFV-PKG*	SWF-100-B* and one SWV-101-B* swivel adapter	\$1,095.00
SWV-101-B*	4" vapor swivel adapter, brass	\$651.00

\*EVR Phase 1 certification VR-101.

\*\*EVR Phase 1 certification VR-101 for gas and E85.

**Fill Swivel Adapter**

Model	Description	List
70541201	RCA SS Swivel Fill Kit, 5" NIP (Includes one 5" nipple, one 77720102 4" Top Seal Cap and one SWF-100-SS swivel fill adapter)	\$442.00
70541202	RCA SS Swivel Fill Kit, 2.88" NIP (Includes one 2.88" nipple, one 77720102 4" Top Seal Cap and one SWF-100-SS swivel fill adapter)	\$437.00
70541203	RCA SS Swivel Fill Kit, 12.5" NIP (Includes one 12.5" nipple, one 77720102 4" Top Seal Cap and one SWF-100-SS swivel fill adapter)	\$444.00
SWF-100-SS**	4" swivel fill adapter, stainless steel, AGB	\$354.00
SWFV-PKGSS**	Includes one SWF-100-SS and one SWV-101-SS swivel adapter, AGB	\$806.00
SWF-100-B*	4" swivel fill adapter, brass	\$471.00
SWFV-PKG*	Includes one SWF-100-B* and one SWV-101-B* swivel adapter	\$1,095.00

\*EVR Phase 1 certification VR-101

\*\*EVR Phase 1 certification VR-101 for gas and E85.

**Fixed Adapter RCA Fill Kits**

Model	Description	List
70541801	Brass RCA Fill Kit, 5" NIP, fits EBW 5 gallon Grade Level Spill Containers (Includes one 5" nipple, one 77720202 4" Aluminum Fill Cap and one 77830101 fill adapter)	\$237.50
70541802	Brass RCA Fill Kit, 7" NIP, fits EBW 5 gallon Below Grade Spill Containers (Includes one 7" nipple, one 77720202 4" Aluminum Fill Cap and one 77830101 fill adapter)	\$247.50
70541803	Brass RCA Fill Kit, 12.5" NIP, fits EBW 15 gallon Grade Level Spill Containers (Includes one 12.5" nipple, one 77720202 4" Aluminum Fill Cap and one 77830101 fill adapter)	\$257.50
70541804	Brass RCA Fill Kit, 14.5" NIP, fits EBW 15 gallon Below Grade Spill Containers (Includes one 14.5" nipple, one 77720202 4" Aluminum Fill Cap and one 77830101 fill adapter)	\$267.50

**Top Seal Fill Caps**

Model	Description	List
77720102*	4" top seal fill cap, glass filled PBT, E85 and Biodiesel approved	\$68.25
777201901*	4" top seal fill cap, glass filled PBT, E85 and Biodiesel approved, 20 pack	\$1,170.00
77720202	4" top seal fill cap, Aluminum, epoxy coated grey, AGB	\$88.25
95021501	4" CARB approved gasket	\$11.00
77920001	3" top seal fill cap	\$104.00
77420203	3" gasket	\$9.00

\*CARB: Phase 1 certification VR-101.

**778 Top Seal Fill Pipe Adapters**

Model	Description	List
77830101	Top seal fill pipe adapter, 4" with lugs	\$132.00
77830102	Top seal fill pipe adapter, 4" without lugs	\$134.00
77830105*	Top seal fill pipe adapter, 4" with lugs	\$189.00
77830201	Top seal fill pipe adapter, 3" with lug, NPSM	\$154.00
77830302	Top seal fill pipe adapter, 4" composite with gasket, NPSM	\$60.50
78020001	Top seal fill pipe adapter, 3" without lugs, NPSM	\$103.00
77830135	Top seal fill pipe adapter, 4" with lugs, BSPP	\$189.00
77830132	Top seal fill pipe adapter, 4" without lugs, BSPP	\$134.00
77830231	Top seal fill pipe adapter, 3" with lugs, BSPP	\$154.00
77830332	Top seal fill pipe adapter, 4" composite with gasket, BSPP	\$60.50
77020102	3" gasket	\$7.00
77020103	4" gasket	\$6.50

\*Biofuel compatible model (E85 and biodiesel).

**4" Side Seal Fill Cap and Adapters**

Model	Description	List
77520201	4" side seal fill cap	\$94.50
77510401	4" replacement gasket	\$18.75
77630001	4" side seal fill adapter, NPT	\$148.00
77630031	4" side seal fill adapter, BSPT	\$148.00
77020103	4" gasket	\$6.50

**Brass Foot Valves**

Model	Description	List
5010501	1/2" single poppet	\$106.00
5110001	1/2" double poppet	\$190.00
7510501	3/4" single poppet	\$109.00
7610001	3/4" double poppet	\$237.00
10010501	1" single poppet	\$116.00
10110001	1" double poppet	\$237.00
15020201	1-1/2" single poppet	\$182.00
15120001	1-1/2" double poppet	\$285.00
20020001	2" single poppet	\$244.00
20120001	2" double poppet	\$357.00

**Foot Valve Extractor**

Model	Description	List
32030201	4" x 4" x 1.5"	\$548.00
32030202	4" x 4" x 2"	\$574.00
32010201	Suction stub adapter	\$184.00
32010301	Cap assembly	\$132.00
32110001	Extractor wrench	\$390.00
32010401	Kit - cap with gasket	\$147.00

**Product Line Isolation Valves**

Model	Description	List
32530001	4.00 × 4.00 × 2.00	\$305.00
32110001	Extractor wrench, 14 lbs.	\$390.00
32510001	2" test plug	\$122.00

**Vertical Check Valves**

Model	Description	List
51520001	1.5" single poppet	\$181.00
51620001	1.5" double poppet	\$264.00

**Angle Check Valves**

Model	Description	List
61530101	1.5" single poppet	\$157.00
61530201*	1.5" single poppet, spring loaded	\$235.00
63520101	2" single poppet	\$313.00

\*Spring loaded.

**Under Pump/In-Line Check Valves**

Model	Description	List
62020101	1.5" without pressure relief	\$97.75
62120001	1.5" without pressure relief	\$118.00
62130001	1.5" with pressure relief	\$136.00
62220001	2" without pressure relief	\$149.00
62230001	2" with pressure relief	\$179.00

**Union Check Valve**

Model	Description	List
65010402	1.5" with screen	\$51.00
65010802	1.5" without screen	\$47.75

**PV-ZERO™ Pressure Vacuum Vent Valve**

Model	Description	List
407215901	PV-ZERO pressure/vacuum vent valve, 3" NPT	\$1,555.00
407225901	PV-ZERO test cap assembly, gas and E85	\$524.00
407220001	PV-ZERO gas/E85 fluid	\$242.00

Note: May require four to eight week lead time. Consult factory for availability.

**Aboveground Storage Tank Equipment**
**802 Pressure Vacuum Vents**

Model	Description	List
80230301	2" NPT threaded pressure vacuum vent	\$130.00
80230302	2" O-ring seal pressure vacuum vent	\$146.00
80230321	2" BSPT threaded pressure vacuum vent	\$130.00
80230405	3" NPT threaded EBW pressure vacuum vent	\$163.00
80230406	3" O-ring seal pressure vacuum vent	\$167.00

**803 Aboveground Emergency Vents**

Model	Description	List
80320001	6" x 4.5", 4" NPT thread	\$188.00
80320501	8.06" x 5.19", 6" NPT thread	\$285.00
80330801	10.5" x 5.5", 8" NPT thread	\$434.00

**800 Open Atmosphere Tank Vents**

Model	Description	List
80020301	3" EBW tank vent	\$70.00
80020702	2" EBW tank vent	\$38.00

**664 Pressure Regulator Valve**

Model	Description	List
66430201	Male-NPT	\$1,030.00
66430202	Union	\$1,050.00
66430203	Female-NPT	\$1,030.00
66430206	Female-poppeted	\$1,045.00
66430226	Female-BSPT	\$1,045.00
66222001	Male replacement adapter	\$45.75
66222201	Female replacement adapter	\$45.75
66421101	Female-poppeted replacement adapter	\$85.00
66430401	Mounting bracket	\$137.00

**Anti Syphon Valves**

Model	Description	List
60530001	.75", 0'-12' head pressure range, 3.4 lbs., NPT	\$325.00
60630001	1", 0'-12' head pressure range, 3.2 lbs., NPT	\$334.00
61630003	1.5", 0'-5' head pressure range, 4.6 lbs., NPT	\$341.00
61630001	1.5", 5'-12' head pressure range, 4.6 lbs., NPT	\$341.00
61630002	1.5", 12'-25' head pressure range, 4.6 lbs., NPT	\$341.00
63630011*	2", 5'-12' head pressure range, 7.2 lbs., NPT	\$395.00
63630012*	2", 12'-25' head pressure range, 7.2 lbs., NPT	\$395.00
63630031*	2", 5'-12' head pressure range, 7.2 lbs., BSPT	\$352.00
63630032*	2", 12'-25' head pressure range, 7.2 lbs., BSPT	\$352.00

\* Alcohol, gas, biofuel compatible

**709 Warden® AST Overfill Prevention Valve**

Model	Description	List
70942001	Warden®, 4" overfill with inverted floats	\$1,654.00
77421220	2" dust cap	\$26.00

**706 AST Spill Container**

Model	Description	List
706500901	7.5 gallon AST Spill Container	\$1,300.00
70534101	Replacement drain valve	\$58.00

Note: ULC file CMH 1667.

**Remote Fill Boxes, Pre-Plumbed**

Model	Description	List
RFBP-TOP	Pre-plumbed box, 3" top inlet, SS	\$3,864.00
RFBP-REAR	Pre-plumbed box, 3" rear inlet, SS	\$3,514.00
RFBP-REAR-30	Pre-plumbed box, 3" rear inlet, SS w/legs	\$3,844.00
RFBP-REAR-2	Pre-plumbed box, 2" rear inlet, SS	\$3,180.00

**Remote Fill Boxes, Box Only**

Model	Description	List
RFBNP-TOP	3" top inlet, SS, box only	\$1,645.00
RFBNP-REAR	3" rear inlet, SS, box only	\$1,629.00
RFBNP-REAR-30	3" rear inlet, SS w/legs, box only	\$2,092.00
RFBNP-REAR-4	4" rear inlet, SS, box only	\$2,229.00

**Wall Mount Remote Fill Boxes**

Model	Description	List
RFBNP-WALL	3" top inlets, wall mount, box only	\$1,765.00

**770 2" Locking Fill Cap**

Model	Description	List
77010101	2" watertight locking fill cap	\$101.00

**751 2" Aluminum Fill Cap**

Model	Description	List
75120201	Female lockable fill cap, NPT	\$64.00
75120221	Female lockable fill cap, BSPT	\$64.00
75120401	Male lockable fill cap, NPT	\$55.00
75120421	Male lockable fill cap, BSPT	\$55.00

**Service Station Hardware Accessories**
**U-Shaped Pipe Guards**

Model	Description	List
BGU35565414	3.5' x 36" x 54" x 14"	\$274.00
BGU35365510SS4	3.5' x 36" x 55" x 10' Stainless Steel #4 finish	\$1,532.00
BGU35415314	3.5' x 41" x 53" x 14"	\$274.00
BGU35485014	3.5' x 48" x 50" x 14"	\$274.00
BGU40365614	4.0' x 36" x 56" x 14"	\$361.00
BGU40415314	4.0' x 41" x 53" x 14"	\$361.00
BGU40417414	4.0' x 41" x 74" x 14"	\$395.00
BGU40435414	4.0' x 43" x 54" x 14"	\$362.00
BGU40485114	4.0' x 48" x 51" x 14"	\$362.00

**Bollards**

Model	Description	List
BGS4042	4.0' x 42"	\$112.00
BGS4063	4.0' x 63"	\$136.00
BGS4072	4.0' x 72"	\$184.00
BGS6063	6.0' x 63"	\$270.00
BGS6072	6.0' x 72"	\$322.00
BGS4072SS4	4.0' x 72" Stainless Steel #4 finish	\$1,043.00
BGS6084	6.0' x 84"	\$375.00

**787 Series Fuel Identification**

Model	Description	List
78710003	D - diesel kit	\$54.25
78710006	SU - super unleaded kit	\$56.25
78710009	RU - regular unleaded kit	\$56.25
78710101	Aluminum base only	\$32.00
78710203	D - brass letter only	\$23.25
78710206	SU - brass letter only	\$23.25
78710209	RU - brass letter only	\$23.25

**787 Series Fill Identifier**

Model	Description	List
78710302	Fill replacement plate	\$24.50
78720101	High-grade unleaded kit, red	\$95.50
78720102	Low-grade unleaded kit, white	\$95.50
78720103	Diesel kit, white	\$95.50
78720104	Mid-grade unleaded kit, blue	\$95.50

**Installation Tools**
**Wrenches**

Model	Description	List
32110001	60" extractor wrench	\$390.00
90110101	3/4" chain wrench	\$304.00

**Flaring Tool**

Model	Description	List
T-6100-FT	Flaring tool kit for flaring drop tubes	\$1,675.00

**Spill Container Tool Kit**

Model	Description	List
T-7001	T-handle for installation tool kit	\$314.00
T-7002-A	Black heavy duty adapter used to install removable Phil-Tite spill buckets	\$331.00
T-7002HD	Heavy duty spill bucket removal tool, includes T-7002-A adapter and T-handle with handle weights	\$534.00
T-7043	Tool kit required to install a Phil-Tite spill container, tool kit items listed above, including T-7001, T-7002A, T-7102	\$947.00
T-7100	Red adapter tool used to remove old fill non-swivel adapters with lugs	\$247.00
T-7102	Orange adapter tool, used to remove or install SWF-100-B and SWV-101-B swivel adapters and M/F 4x4 riser adapters	\$296.00
T-7103	Blue adapter tool, used to install OPW tall swivel adapters	\$296.00
T-7104	Green torque adapter tool for static torque testing on any swivel adapter	\$296.00
T-7200	Cast iron cover removal tool	\$238.00
T-7106	Defender Series spill container installation tool	\$332.00
T-7107	Defender Series spill container double wall vacuum test kit	\$222.00

**XP Pressure and Suction Pipe**

Model	Description	Ft.	Reel	Weight		List
				Lbs.	Kg	
XP-100-SC	1" secondary contained	250	Master	486	219	\$27.75
		500	Master	593	267	\$27.00
		2500	S. Master	1,478	665	\$24.25
XP-100-D	1" single wall	250	Master	443	199	\$23.50
		500	Master	505	227	\$23.00
XP-150-SC	1½" secondary	100	Master	435	196	\$36.75
		250	Master	518	233	\$34.75
		500	Master	655	295	\$34.00
		1000	S. Master	965	434	\$32.50
		1500	S. Master	1,240	558	\$31.75
XP-150-D	1½" single wall	100	Master	410	185	\$26.75
		250	Master	455	205	\$26.75
		500	Master	530	239	\$24.75
		1000	S. Master	715	322	\$24.50
		1500	S. Master	865	389	\$23.75
XP-175-SC	1¾" secondary contained	100	Master	485	218	\$40.25
		250	Master	655	295	\$39.25
		500	Master	830	374	\$37.00
		1000	S. Master	1,355	610	\$36.75
XP-200-SC	2" secondary contained	250	Master	552	250	\$53.25
		500	S. Master	914	415	\$50.00
XP-200-D	2" single wall	250	Master	427	194	\$43.25
		500	S. Master	664	301	\$41.75

**XP Marina/Aboveground**

Model	Description	Ft.	Reel	Weight		List
				Lbs.	Kg	
XP-100-MD-250	1" secondary contained inside metallic duct	250	Small	813	369	\$45.00
XP-100-MD-500		500	Standard	1,626	738	
XP-100-MDD-250	1" single wall inside metallic duct	250	Small	751	340	\$36.00
XP-100-MDD-500		500	Standard	1,501	681	
XP-150-MD-250	1½" secondary contained inside metallic duct	250	Small	940	426	\$53.50
XP-150-MD-500		500	Standard	1,879	852	
XP-150-MDD-250	1½" single wall inside metallic duct	250	Small	890	404	\$41.75
XP-150-MDD-500		500	Standard	1,779	807	
XP-175-MD-250	1¾" secondary contained inside metallic duct	250	Small	1,011	459	\$56.00
XP-175-MD-500		500	Standard	2,022	917	
XP-200-MD-250	2" secondary contained inside metallic duct	250	Master	919	416	\$84.25
XP-200-MDD-250	2" single wall inside metallic duct	250	Master	793	366	\$78.00

**4" Ducting**

Model	Description	Units	List
DUCT-400-100	4" corrugated ducting (for retractability only)	100 LF	\$687.50
DUCT-400-250	4" corrugated ducting (for retractability only)	250 LF	\$1,722.25
DCT-400-F	Flexible ducting connector with clamps	EA	\$39.75

**XP Clamshell Swivel Pipe Fittings**
**Brass Swivels**

Model	Description	List
MS-XP-150-150	Installs on the end of 1½" single/secondary contained XP pipe with 1½" NPT	\$140.75
MS-XP-175-200	Installs on the end of 1¾" single/secondary contained XP pipe with 2" NPT	\$181.50
MS-XP-200-200	Installs on the end of 2" single/secondary contained XP pipe with 2" NPT	\$203.50

**Stainless Steel Swivels**

Model	Description	List
MS-XP-150-150SS*	Installs on the end of 1.50" single/secondary contained XP pipe with 1½" NPT	\$265.50
MS-XP-175-200SS*	Installs on the end of 1.75" single/secondary contained XP pipe with 2" NPT	\$299.75
MS-XP-200-200SS*	Installs on the end of 2.00" single/secondary contained XP pipe with 2" NPT	\$370.50

\*Contact Customer Service for availability and lead times.

**XP Clamshell Non-Swivel Pipe Fittings**
**Brass Fittings**

Model	Description	List
MN-XP-100-100	Installs on the end of 1" single/secondary contained XP pipe with 1" NPT	\$116.25

**Stainless Steel Swivels**

Model	Description	List
MN-XP-100-100SS*	Installs on the end of 1" single/secondary contained XP pipe with 1" NPT	\$145.00

\*Contact Customer Service for availability and lead times.

**XP Male Swage Swivel Pipe Fittings**

Model	Description	List
MS-XP-SW-150150	Installs on the end of 1½" single/secondary contained XP pipe with 1½" NPT	\$241.25
MS-XP-SW-175200	Installs on the end of 1¾" single/secondary contained XP pipe with 2" NPT	\$265.50
MS-XP-SW-200200	Installs on the end of 2" single/secondary contained XP pipe with 2" NPT	\$299.75

**XP Clamshell Non-Swivel Tee and Elbow Pipe Fittings**

Model	Description	List
TEE-XP-150	1½" XP tee clamshell non-swivel pipe fitting	\$370.50
ELB-XP-150	1½" XP elbow clamshell non-swivel pipe fitting	\$297.50
TEE-XP-175	1¾" XP tee clamshell non-swivel pipe fitting	\$431.25
ELB-XP-175	1¾" XP elbow clamshell non-swivel pipe fitting	\$348.25
TEE-XP-200	2" XP tee clamshell non-swivel pipe fitting	\$441.25
ELB-XP-200	2" XP elbow clamshell non-swivel pipe fitting	\$362.75

**XP Quick Release Pipe Fittings**

Model	Description	List
QRS-XP-150-200	XP quick release fitting, installs with 1½" XP pipe with 2" flange	\$248.75
QRS-XP-175-200	XP quick release fitting, installs with 1¾" XP pipe with 2" flange	\$263.25
QRS-XP-200-200	XP quick release fitting, installs with 2" XP pipe with 2" flange	\$276.50
407082001	Clamp	\$21.25
407046001	Fluorocarbon gasket	\$10.00

Note: Contact customer service for availability of these parts

**End Connections and Fittings**

Model	Description	List
GC-150	Galvanized cap, 1½" NPT	\$22.25
GC-200	Galvanized cap, 2" NPT	\$23.25
GE90-150	Galvanized elbow, 90°, 1½" NPT	\$30.00
GE90-200	Galvanized elbow, 90°, 2" NPT	\$51.25
GE90-215	Galvanized reducing elbow, 90°, 2" NPT × 1½" NPT	\$34.25
GE90-252	Galvanized reducing elbow, 90°, 2½" NPT × 2" NPT	\$136.25
GHB-200-150	Galvanized Hex bushing, 2" NPT × 1½" NPT	\$24.50
GT-150	Galvanized tee, 1½" NPT	\$31.25
GT-215	Galvanized reducing tee, 2" × 2" × 1½" NPT	\$63.25
GT-252	Galvanized reducing tee, 2½" × 2½" × 2" NPT	\$178.25
GU-150	Galvanized union, 1½" NPT	\$67.75

**Stainless Steel End Connections and Fittings\***

Model	Description	List
SSC-150	Stainless steel cap, 1½" NPT	\$39.75
SSC-200	Stainless steel cap, 2" NPT	\$52.25
SSE90-150	Stainless steel elbow, 90°, 1½" NPT	\$64.25
SSE90-200	Stainless steel elbow, 90°, 2" NPT	\$88.50
SSSHP-150	Stainless steel square head plug, 1½" NPT	\$53.25
SST-150	Stainless steel tee, 1½" NPT	\$92.00
SST-200	Stainless steel tee, 2" NPT	\$118.50
SSHB-200-150	Stainless steel Hex bushing, 2" NPT × 1½" NPT	\$63.25
SSU-150	Stainless steel union, 1½" NPT	\$203.50
SSU-200	Stainless steel union, 2" NPT	\$203.50
SSRB-150-050	Stainless steel reducing bell 1.5" x .5" NPT	\$27.75
SSHB-200-050	Stainless steel hex bushing 2" NPT x .5" NPT	\$66.50
SSHB-150-050	Stainless steel hex bushing 1.5" NPT x .5" NPT	\$41.25
SSSHP-050	Stainless square hex plug ½" NPT	\$13.50

\*Contact Customer Service for availability and lead times on all stainless steel end connections and fittings.

**Bushings**

Model	Description	List
GHB-200-150	Galvanized Hex bushing, 2" NPT × 1½" NPT	\$24.50
SSHB-200-150	Stainless steel Hex bushing, 2" NPT × 1½" NPT	\$63.25
GSHP-150	Galvanized square head plug, 1½" NPT	\$24.50
SSHB-200-050	Stainless steel hex bushing 2" NPT x .5" NPT	\$66.50
SSHB-150-050	Stainless steel hex bushing 1.5" NPT x .5" NPT	\$41.25
GSHP-200	Galvanized square head plug, 2" NPT	\$33.25

**Caps**

Model	Description	List
GC-150	Galvanized cap, 1½" NPT	\$22.25
GC-200	Galvanized cap, 2" NPT	\$23.25
SSC-150	Stainless steel cap, 1½" NPT	\$39.75
SSC-200	Stainless steel cap, 2" NPT	\$52.25

**Elbows**

Model	Description	List
GE90-150	Galvanized elbow, 90°, 1½" NPT	\$30.00
GE90-200	Galvanized elbow, 90°, 2" NPT	\$51.25
GE90-215	Galvanized reducing elbow, 90°, 2" NPT × 1½" NPT	\$34.25
GE90-252	Galvanized reducing elbow, 90°, 2½" NPT × 2" NPT	\$136.25
SSE90-150	Stainless steel elbow, 90°, 1½" NPT	\$64.25
SSE90-200	Stainless steel elbow, 90°, 2" NPT	\$88.50
403655901	ELB,ASY,1-1/2NPTAdBlue/DEF RTN	\$327.50

**Plugs**

Model	Description	List
SSSHP-150	Stainless steel square head plug, 1½" NPT	\$53.25
SSSHP-050	Stainless square hex plug ½" NPT	\$13.50

**Tees**

Model	Description	List
GT-150	Galvanized tee, 1½" NPT	\$31.25
GT-215	Galvanized reducing tee, 2" × 2" × 1½" NPT	\$63.25
GT-252	Galvanized reducing tee, 2½" × 2½" × 2" NPT	\$178.25
SST-150	Stainless steel tee, 1½" NPT	\$92.00
SST-200	Stainless steel tee, 2" NPT	\$118.50
403654901	TEE, ASSM, 2" NPT, AdBlue/DEF DIS	\$201.50

**Unions**

Model	Description	List
GU-150	Galvanized union, 1½" NPT	\$67.75
SSU-150	Stainless steel union, 1½" NPT	\$203.50

**Flexible Entry Boots**

Model	Description	List
FEB-050-D	Flexible entry boot for ½" electrical conduit	\$55.50
FEB-050-SC*	Flexible entry boot for ¾" electrical conduit	\$53.25
FEB-075-D	Flexible entry boot for ¾" and 1" electrical conduit	\$55.50
FEB-075-D2	Double sided flexible entry boot for ¾" and 1" conduit	\$77.50
FEB-075-SC*	Flexible entry boot for 1" electrical conduit	\$56.50
FEB-075-SCSA	Flexible entry boot for ¾" SC pipe	\$56.75
FEB-100-D	Flexible entry boot for XP-100-D	\$53.25
FEB-100-SC	Flexible entry boot for XP-100-SC	\$53.25
FEB-150-D	Flexible entry boot for XP-150-D	\$77.50
FEB-150-SC	Flexible entry boot for XP-150-SC	\$74.25
FEB-175-D	Flexible entry boot for XP-175-D	\$77.50
FEB-175-SC	Flexible entry boot for XP-175-SC and 2" single wall fiberglass	\$74.25
FEB-175-SCSA	Flexible entry boot 1 ¾" SC Pipe	\$74.25
FEB-200-D	Flexible entry boot for XP-200-D	\$85.50
FEB-200-SC	Flexible entry boot for XP-200-SC	\$74.25
FEB-300	Flexible entry boot for 3" single wall fiberglass	\$103.00
FEB-300-R	Flexible entry boot for 3" single wall fiberglass	\$77.50
FEB-400-R	Flexible entry boot for 4" single wall fiberglass	\$106.50
FEB-400-F	Flexible entry boot for 4" double wall pipe	\$106.50
FEB-E32	Adhesive, E32	\$94.75
33010008	Flexible entry boot 8 nut	\$3.50
403826001	E32 equivalent 2 part epoxy	\$112.75
408041001	Seal for FEB-200-SC	\$14.50
408065001	Curved sump seal for FEB-200	\$21.25

\* Limited Availability / Please contact Customer Service for availability

**Ducted Flexible Entry Boots**

Model	Description	List
DEB-150-D	Ducted entry boot for XP-150-D	\$95.50
DEB-150-SC	Ducted entry boot for XP-150-SC	\$95.50
DEB-175-D	Ducted entry boot for XP-175-D	\$96.50
DEB-175-SC	Ducted entry boot for XP-175-SC	\$95.50
DEB-200-D	Ducted entry boot for XP-200-D	\$102.00
DEB-200-SC	Ducted entry boot for XP-200-SC	\$95.50
DEB-250-SC	Ducted entry boot for P-250-SC	\$108.50
DEB-BL-DA	Entry boot blank plug	\$116.25
DCT-400-F	Flexible ducting connector	\$39.75

**Air Testable Flexible Entry Booth**

Model	Description	List
DEB-150-DA	Air testable ducted entry boot for XP-150-D	\$99.50
DEB-150-SCA	Air testable ducted entry boot for XP-150-SC	\$98.50
DEB-175-DA	Air testable ducted entry boot for XP-175-D	\$99.50
DEB-175-SCA	Air testable ducted entry boot for XP-175-SC	\$102.00
DEB-200-DA	Air testable ducted entry boot for XP-200-D	\$150.75
DEB-252-DA	Air testable ducted entry boot for XP-200-SC and P-250-D	\$157.25

**Flexible Double Entry Boots**

Model	Description	List
FDB-075-SC	Flexible double boot for P-075-SC	\$121.75
FDB-100-D	Flexible double boot for XP-100-D or 1" electrical conduit	\$121.75
FDB-100-SC	Flexible double boot for XP-100-SC	\$121.75

**Ducted Flexible Double Entry Boots**

Model	Description	List
DDB-100-D	Ducted double boot for XP-100-D or 1" electrical conduit	\$141.75
DDB-100-SC	Ducted double boot for XP-100-SC	\$141.75

**Flexible Bulkhead Boots**

Model	Description	List
FBB-075-D*	Flexible bulkhead boot for P-075-D, ¾" and 1" electrical conduit	\$68.75
FBB-150-SC	Flexible bulkhead boot for XP-150-SC	\$85.50
Model	Description	List
DBB-150-SC	Ducted bulkhead boot for XP-150-SC	\$135.00
DBB-200-SC	Ducted bulkhead boot for XP-200-SC	\$135.00

\* Limited Availability / Please contact Customer Service for availability

**MD-Series Flexible Entry Boots**

Model	Description	List
FEB-075-MDD	Flexible entry boot for P-075-MD	\$102.00
FEB-075-MD	Flexible entry boot for P-075-MD	\$97.50
FEB-100-MDD	Flexible entry boot for XP-100-MDD	\$106.50
FEB-100-MD	Flexible entry boot for XP-100-MD	\$102.00
FEB-150-MDD	Flexible entry boot for XP-150-MDD	\$115.00
FEB-150-MD	Flexible entry boot for XP-150-MD	\$115.00
FEB-175-MDD	Flexible entry boot for XP-175-MDD	\$115.00
FEB-175-MD	Flexible entry boot for XP-175-MD	\$115.00
FEB-200-MDD	Flexible entry boot for XP-200-MDD	\$115.00
FEB-200-MD	Flexible entry boot for XP-200-MD	\$115.00

**Rigid Entry Boots- XP Pipe**

Model	Description	List
REB-150-SC	1½" rigid entry boot for flat sump surfaces	\$149.25
REB-175-SC	1¾" rigid entry boot for flat sump surfaces	\$149.25
REB-200-SC	2" rigid entry boot for flat sump surfaces	\$149.25
REB-R-150-SC	1½" rigid entry boot for round sump surfaces	\$169.25
REB-R-175-SC	1¾" rigid entry boot for round sump surfaces	\$169.25
REB-R-200-SC	2" rigid entry boot for round sump surfaces	\$169.25
RDEB-150-SC	1½" ducted rigid entry boot for flat sump surfaces	\$154.75
RDEB-175-SC	1¾" ducted rigid entry boot for flat sump surfaces	\$154.75
RDEB-200-SC	2" ducted rigid entry boot for flat sump surfaces	\$154.75
RDEB-R-150-SC	1½" ducted rigid entry boot for round sump surfaces	\$206.00
RDEB-R-175-SC	1¾" ducted rigid entry boot for round sump surfaces	\$206.00
RDEB-R-200-SC	2" ducted rigid entry boot for round sump surfaces	\$206.00
REB-PLUG	Rigid entry boot insert plug	\$138.25
408051001	1½" Pipe Seal	\$25.75
408052001	1¾" Pipe Seal	\$25.75
408042001	2" Pipe Seal	\$25.75
408055001	1½" Pipe snap body insert	\$19.00
408056001	1¾" pipe snap body insert	\$19.00
408058001	1½" compression nut insert	\$19.00
408059001	1¾" compression nut insert	\$19.00
408069001*	Plastic adapter for curved sump	\$27.75

\*Used to convert a flat sump surface rigid entry boot into a round sump surface rigid entry boot.

**Rigid Entry Boots- Electrical Conduit**

Model	Description	List
REB-C-0075	Rigid entry boot ¾" conduit/flat surface	\$180.50
REB-C-R-0075-0100	Rigid entry boot ¾" 2-BSHING	\$222.50
REB-C-0100	Rigid entry boot 1" conduit/flat surface	\$180.50
REB-C-R-0075	Rigid entry boot ¾" conduit/round surface	\$192.50
REB-C-R-0100	Rigid entry boot 1" conduit/round surface	\$192.50
REB-PLUG	Rigid entry boot insert plug	\$138.25
REB-C-0075-0100	Rigid entry boot 2-BSHING	\$201.50
408066001	¾" Conduit Seal (Replacement)	\$12.50
408066002	1" Conduit Seal (Replacement)	\$12.50
408070001	Clamping Seal- Flat (Replacement)	\$14.50
408072001	Clamping Seal- Round (Replacement)	\$18.00
408073001*	Plastic adapter for curved sump	\$27.75

\*Used to convert a flat sump surface rigid entry boot into a round sump surface rigid entry boot.

**Fusion Entry Boots**

Model	Description	List
FWEB-150-SC	Flexible entry boot 1.5" SC Pipe	\$161.75
FWEB-175-SC	Flexible entry boot 1.75" SC Pipe	\$161.75
FWEB-200-SC	Flexible entry boot 2.0" SC Pipe	\$168.25

**Split Test Boots**

Model	Description	List
SPTB-150	Split test boot for XP-150-SC double wall pipe	\$103.00
SPTB-175	Split test boot for XP-175-SC double wall pipe	\$107.50
SPTB-200	Split test boot for XP-200-SC double wall pipe	\$110.75

**Clamshell Secondary Test Boots**

Model	Description	List
STB-100	Secondary test boot for XP-100-SC pipe	\$25.75
STB-150	Secondary test boot for XP-150-SC pipe	\$25.75
STB-175	Secondary test boot for XP-175-SC pipe	\$25.75
STB-200	Secondary test boot for XP-200-SC pipe	\$28.75

**Grade Level Transition Sleeve™**

Model	Description	List
TSL-005	Transition sleeve (top and bottom boot required, sold separately)	\$457.75
TST-100-D	Transition sleeve top flexible entry boot, 1" steel pipe	\$109.50
TSB-100-D	Transition sleeve bottom flexible entry boot for XP-100-D or 1" conduit	\$127.25
TSB-100-SC	Transition sleeve bottom flexible entry boot for XP-100-SC	\$127.25

Note: The transition sleeve along with the top and bottom entry boot should be ordered separately.

**Wall Transition Sleeve**

Model	Description	List
WTS-400	Wall transition sleeve (ducted entry boot required, sold separately)	\$38.75

**Below Grade Transition Tank Sumps**

Model	Description	List
TS-2430	Transition sump, shallow burial, 24" base, fits under a 30" manway	\$529.50
TS-3630	Tank sump, shallow burial, 36" base, fits under a 30" manway	\$1,080.00
TS-4230	Tank sump, medium burial, 42" base, fits under a 30" manway	\$1,128.75
TS-KIT	TS-3630/4230 retro fit kit, replacement lid assembly for screw-on polyethylene lids	\$878.75
99985555	Replacement gasket	\$33.25

**Below Grade Intermediate Piping Sumps**

Model	Description	List
IPS-2424	Intermediate piping sump, 24" x 24", fits under a 24" manway	\$870.00
IPS-3636	Intermediate piping sump, 36" x 36", fits under a 36" manway	\$952.00
99985554	Replacement gasket	\$64.25
73510102	Replacement Access cover	\$140.75

**Grade Level Transition Sump**

Model	Description	List
AST-2922	Aboveground storage tank transition sump	\$1,330.75
99985553	Replacement gasket	\$49.75
25202923	Replacement AST-2922 lid, grey	\$396.00
IP-400-B	Inspection replacement port, FEB style with replacement well cap	\$94.00

**4542 Series One-Piece Tank Sumps**

Model	Description	List
TSD-4542	Tank sump, deep burial, 45" base, fits 42" manway	\$1,491.25
TSD-4542-IP	Tank sump, deep burial 42" MH with IP	\$1,395.00
TSM-4542	Tank sump, medium burial, 45" base, fits 42" manway	\$1,054.50
TSS-4542	Tank sump, shallow burial, 45" base, fits 42" manway	\$1,051.50
26004209	TSM-4542 sump lid replacement	\$296.50
MA-22	Manway adapter, 22"	\$939.50
MA-24	Manway adapter, 24"	\$1,206.25
IP-400-B	Inspection port, FEP style with well cap	\$94.00

**4736 Series One-Piece Tank Sumps**

Model	Description	List
TSD-W-4736	Water-resistant tank sump, deep burial [45" (1,140 mm) maximum height, 31.9" (810 mm) minimum height] 47" (1,192 mm) base, fits 36" (900 mm) manway	\$1,379.50
TSM-W-4736	Water-resistant tank sump, medium burial [58" (1,471 mm) maximum height, 31.9" (810 mm) minimum height] 47" (1,192 mm) base, fits 36" (900 mm) manway	\$1,264.50
TSD-4736-IP	Tank sump, deep burial, 36" MH with IP	\$1,179.50
TSM-4736-IP	SRS Tank Sump, medium burial 36" MH with IP	\$993.75
TSM-4736-IPB	TSM-4736 with special IP	\$922.00
TSS-4542SA	Tank Sump, shallow 42" MH	\$1,051.50
74510501	APT LID HANDLE	\$18.00
MA-22	Manway adapter, 22"	\$939.50
MA-24	Manway adapter, 24"	\$1,206.25
IP-400-B	Inspection port, FEP style with well cap	\$94.00

**42" and 48" Single Wall Cylindrical Turbine Sumps**

Model	Wall Type	Riser Base Dia.	Min. Manway Size	Seam Kits	Bottom	List	
						Medium*	Deep*
T(X)A4236-0/0-RC-S	Single	42	36	2	No	\$3,461.75	\$3,667.50
T(X)A4836-0/0-RC-S	Single	48	36	2	No	\$3,461.75	\$4,364.75

\*Overall height

Note: Fiberglass kits not included. See bottom of page for part number and pricing.

Note: For (X) Please insert "M/D" in part number use "M" for medium or "D" for deep when ordering.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**42" Single and Double Wall Octagonal Turbine Sumps**

Model	Wall Type	Octagonal Base Dia.	Min. Manway Size	Seam Kits	Bottom	Riser Dia.	List		
							Shallow*	Medium*	Deep*
T(X)4236-0/0-OC-S	Single	42	36	2	No	39	N/A	\$2,772.25	\$3,069.50
T(X)4236-0/0-OB-S	Single	42	36	1	Yes	39	N/A	\$3,562.50	\$3,834.25
TS4236-0/0-OB-S	Single	42	36	1	No	39	\$ 2,761.00	N/A	N/A
T(X)4236-0/0-OC-H	Double	42	36	4	No	39	N/A	\$7,332.25	N/A
T(X)4236-0/0-OC-V	Double	42	36	4	No	39	N/A	\$7,164.50	N/A

\*Overall height

Note: Fiberglass kits not included. See bottom of page for part number and pricing.

Note: For (X) Please insert "M/D" in part number use "M" for medium or "D" for deep when ordering.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**48" Single and Double Wall Octagonal Turbine Sumps**

Model	Wall Type	Octagonal Base Dia.	Min. Manway Size	Seam Kits	Bottom	Riser Dia.	List	
							Medium*	Deep*
T(X)A4836-0/0-OC-S	Single	48	36	3	No	42	\$3,196.50	\$3,708.25
T(X)A4836-0/0-OB-S	Single	48	36	2	Yes	42	\$4,093.00	\$4,687.50
T(X)4836-0/0-OC-H	Double	48	36	4	No	42	\$7,810.00	\$9,570.25
T(X)4836-0/0-OC-V	Double	48	36	4	No	42	\$7,843.00	\$9,495.25

\*Overall height

Note: Fiberglass kits not included. See bottom of page for part number and pricing.

Note: For (X) Please insert "M/D" in part number use "M" for medium or "D" for deep when ordering.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**Fiberglass Seam Adhesive Kit**

Model	Description	List
FIBERGLASS-KIT	Includes matte, resin, putty and catalyst for one fiberglass seam single or double wall. Also includes one roller (1/2" x 3"), three quart cups, one brush (2"), two stir sticks, one squeegee, and two pairs of gloves (large).	\$353.75

Note: Double wall applications may require two fiberglass kits per seam. Fiberglass orders cannot be cancelled.


**30" Fiberglass Sump Shield Packages**

Model	Description	List
TSS-4236	30" opening, 42" riser	\$1,619.25
TSS-4836	30" opening, 48" riser	\$1,892.50
TSS-XS36	30" opening, Xerxes 33" diameter riser	\$1,722.25

Note: Fiberglass kit not included. Package includes watertight sump shield and riser reducer

Note: contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**Fiberglass Replacement Parts**

Model	Description	List
TSS-36	36" Watertight sump shield	\$886.75
TSB-4842-SW	Octagon base 48/42, 30" tall, SW	818.25
602212001	33" sump shield gasket	\$77.00
602212002	40" sump shield gasket	\$77.00
602329001	Sump shield /keeper	\$9.00
602331001	Rubber Pull latch	\$19.00
602330901	Bracket	\$13.50
602221902	Adaptor 42/36	\$680.00
602221904	Adaptor 42/42	\$712.00
602226906	Adaptor 42" WTC	\$1,126.00

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**Large Mouth Poly Dispenser Sumps**

Model	Description	List	
		Medium	Deep
LM(X)-1410	Large mouth poly sump with 14'x10" top frame	\$687.75	\$755.00
LM(X)-1913-T	Large mouth poly sump with 19'x13" top frame	\$782.75	\$839.00
LM(X)-2010	Large mouth poly sump with 20'x10" top frame	\$723.00	\$810.25
LM(X)-2018	Large mouth poly sump with 20'x18" top frame	\$764.00	\$828.00
LM(X)-2313-T	Large mouth poly sump with 23'x13" top frame	\$855.75	\$960.50
LM(X)-2407	Large mouth poly sump with 24'x7" top frame	\$773.75	\$891.25
LMM-2410-T-M	LMM DISP SUMP ASSY 24 X 10	\$862.25	N/A
LM(X)-2715	Large mouth poly sump with 27'x15" top frame	\$839.00	\$926.50
LM(X)-2811	Large mouth poly sump with 28'x11" top frame	\$844.50	\$926.50
LM(X)-2915	Large mouth poly sump with 29'x15" top frame	\$844.50	\$926.50
LMM-2916-DEF	Large mouth poly sump with a 29x16 top frame and a DEF frame	\$2,224.00	NA
LM(X)-3610	Large mouth poly sump with 36'x10" top frame	\$944.00	\$1,047.00
LM(X)-3617	Large mouth poly sump with 36'x17" top frame (Encore™ conduitless)	\$944.00	\$1,022.50
LMM-3617-DEF	Large mouth poly sump 36x17 top frame with DEF frame	\$2,224.25	NA
LM(X)-3914-36-W	Large mouth poly sump w/ 39'x14" top frame (Ovation™ conduitless)	\$1,003.75	\$1,080.00
LM(X)-3914	Large mouth poly sump with 39'x14" top frame	\$944.00	\$1,073.50
LM(X)-4018	Large mouth poly sump with 40'x18" top frame	\$944.00	\$1,063.50
LM(X)-4111	Large mouth poly sump with 41'x11" top frame	\$944.00	\$1,080.00
LM(X)-4115	Large mouth poly sump with 41'x15" top frame	\$944.00	\$1,094.25
43605002	1/2" grommets for conduitless sump		\$15.75
43607502	3/4" grommets for conduitless sump		\$11.25
43610002	1" grommets for conduitless sump		\$11.25

Note: For (X) Please insert "M/D" in part number use "M" for medium or "D" for deep when ordering.

Ovation™ is a trademark of Dresser Inc. Encore™ is a trademark of Gilbarco Inc.

**Large Mouth Poly Dispenser Sump Tops**

Model	Description	Base Size - LB(X)	List
LMT-1410	Large mouth sump top 14'x10"	2400	\$366.25
LMT-1913-T	Large mouth sump top 19'x13"	2400	\$449.00
LMT-2010	Large mouth sump top 20'x10"	2400	\$358.25
LMT-2018	Large mouth sump top 20'x18"	2400	\$431.25
LMT-2313-T	Large mouth sump top 23'x13"	3600	\$476.75
LMT-2407	Large mouth sump top 24'x7"	3600	\$409.00
LMT-2715	Large mouth sump top 27'x15"	3600	\$442.25
LMT-2811	Large mouth sump top 28'x11"	3600	\$431.25
LMT-2915	Large mouth sump top 29'x15"	3600	\$431.25
LMT-3610	Large mouth sump top 36'x10"	4800	\$424.50
LMT-3617-36	Large mouth sump top 36'x17"	3600	\$442.25
LMT-3914-36-W	Large mouth sump top 39'x14"	3600	\$598.25
LMT-3914	Large mouth sump top 39'x14"	4800	\$455.75
LMT-4018	Large mouth sump top 40'x18"	4800	\$454.50
LMT-4111	Large mouth sump top 41'x11"	4800	\$465.75
LMT-4115	Large mouth sump top 41'x15"	4800	\$473.25

**Large Mouth Poly Dispenser Sump Bases**

Model	Description	List
LBM-2400	Large mouth 24" sump base - medium	\$362.75
LBM-3600	Large mouth 36" sump base - medium	\$449.00
LBM-4800	Large mouth 48" sump base - medium	\$583.75
LBD-2400	Large mouth 24" sump base - deep	\$430.00
LBD-3600	Large mouth 36" sump base - deep	\$528.50
LBD-4800	Large mouth 48" sump base - deep	\$652.25

**Single and Double Wall Fiberglass Large Mouth Dispenser Sumps**
**2400 Series**

Model	Description	List	
		Single	Double
LMM-1410-X	Fiberglass dispenser sump, 14'x10"	\$1,433.75	\$2,593.25
LMM-1913-T-X	Fiberglass dispenser sump, 19'x13"	\$1,497.75	\$2,593.25
LMM-2010-X	Fiberglass dispenser sump, 20'x10"	\$1,433.75	\$2,593.25
LMM-2018-X	Fiberglass dispenser sump, 20'x18"	\$1,471.50	\$2,593.25
Model	Description	List	
HM-KIT	Hydrostatic monitoring system for dispenser sumps	\$234.50	
602284004	Drop down frame 2400 series	\$292.00	

Note: Fiberglass models include base and top.

Note: For (X) Please insert "S/D" in part number use "S" for single wall or "D" for double wall.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**3600 Series**

Model	Description	List	
		Single	Double
LMM-2313-T-X	Fiberglass dispenser sump, 23'x13"	\$1,692.50	\$2,909.25
LMM-2407-X	Fiberglass dispenser sump, 24'x7"	\$1,653.75	\$2,866.00
LMM-2715-X	Fiberglass dispenser sump, 27'x15"	\$1,653.75	\$2,866.00
LMM-2811-X	Fiberglass dispenser sump, 28'x11"	\$1,653.75	\$2,866.00
LMM-2915-X	Fiberglass dispenser sump, 29'x15"	\$1,653.75	\$2,866.00
LMM-3617-X	Fiberglass dispenser sump, 36'x17"	\$1,653.75	\$3,325.75
LMM-3914-36-W-X	Fiberglass dispenser sump, 39'x14"	\$1,888.00	\$3,339.25
Model	Description	List	
HM-KIT	Hydrostatic monitoring system for dispenser sumps	\$234.50	
602270004	Drop down frame 3600 series	\$358.00	

Note: Fiberglass models include base and top.

Note: For (X) Please insert "S/D" in part number use "S" for single wall or "D" for double wall.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**4800 Series**

Model	Description	List	
		Single	Double
LMD-3617-S	Fiberglass dispenser sump, 36'x17.25'	\$1,993.00	N/A
LMM-3610-X	Fiberglass dispenser sump, 36'x10'	\$1,810.50	\$3,325.75
LMM-3914-X	Fiberglass dispenser sump, 39'x14'	\$1,810.50	\$3,325.75
LMM-4018-X	Fiberglass dispenser sump, 40'x18'	\$1,810.50	\$3,325.75
LMM-4111-X	Fiberglass dispenser sump, 41'x11"	\$1,810.50	\$3,325.75
LMM-4115-X	Fiberglass dispenser sump, 41'x15"	\$1,816.00	\$3,325.75
Model	Description	List	
HM-KIT	Hydrostatic monitoring system for dispenser sumps	\$234.50	
602271004	Drop down frame 4800 series	\$355.00	

Note: Fiberglass models include base and top.

Note: For (X) Please insert "S/D" in part number use "S" for single wall or "D" for double wall.

Note: Please contact customer service for lead times and availability for ALL fiberglass products. Fiberglass orders cannot be cancelled.

**Conduitless Entry Fiberglass Sump**

Model	Description	List
DHW-3617	36' x 17" fiberglass dispenser sump, single-wall, with conduitless entry frame	\$1,608.25

**Classic Dispenser Pan Sumps**

Model	Description	List
DP-1816	Dispenser pan, 13 $\frac{3}{4}$ " x 11 $\frac{1}{4}$ "	\$441.25
DP-2014	Dispenser pan, 16 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ "	\$452.25
DP-2816	Dispenser pan, 23' x 11 $\frac{3}{4}$ "	\$482.25
DP-4721	Dispenser pan, 42' x 16"	\$596.00

**Tank Fitting Adapters**

Model	Description	List
TFA-400-II	Tank fitting adapter generation II, 4" NPT	\$261.25
TFA-600	Tank fitting adapter, 6" NPT	\$1,043.50
41110502	Compression plate for TFA-400-II (replacement)	\$83.00
42020002	Plate washer TFA-400-II (replacement)	\$25.75
44610002	Gasket for TFA-400-II	\$27.75

**Tank Manway Adapters**

Model	Description	List
MA-22	22" tank manway adapter	\$939.50
MA-24	24" tank manway adapter	\$1,206.25

**Stabilizer Bar Kits**

Model	Description	List
SBK-1	Stabilizer bar kit 1	\$79.75
SBK-2	Stabilizer bar kit 2	\$73.25
SBK-3	Stabilizer bar kit 3	\$84.25
SBK-25	Stabilizer bar kit 25	\$79.75

**Installation Tools**

Model	Description	List
BPT-200	By-Pass Tube	\$27.75
BOS-103	Bostik 1100, 10.3 ounce tube	\$30.00
DBT-100	Deburring tool	\$35.75
DWC-XP-100	Double wall cutting tool, 1"	\$350.75
DWC-XP-150	Double wall cutting tool, 1½"	\$350.75
DWC-XP-175	Double wall cutting tool, 1¾"	\$367.25
DWC-XP-200	Double wall cutting tool, 2"	\$367.25
DWC-XP-TOOL	DWC Handle & (5) Blades	\$209.00
SDT-010	Steel drill template for 4, 8 and 10 stud entry boots	\$67.75
TRK-200	Air test regulator for APT secondary contained piping	\$172.75
STK-1	Single line secondary test system	\$82.00
STK-2	Dual line secondary test system	\$124.00
26003608	TSM-4736 sump lid replacement	\$198.00

**Swage Machine**

Model	Description	List
SWK-150	Swage tool kit, 1½"	\$261.25
SWK-175	Swage tool kit, 1¾"	\$307.50
SWK-200	Swage tool kit, 2"	\$350.75

**CableTight Wire Management Systems for UL Markets**
**¾" Cable Tight™ Wire Management System**

Model	Description	List
000-075-1000-EC	¾" flexible conduit, 1,000' coil	\$905.25
000-075-1500-EC	¾" flexible conduit, 1,500' coil	\$1,358.00
000-075-06-ERMC-PE	¾" coated rigid metal conduit, 6' stick, 12 per box	\$1,833.00
000-075-06-ERMC	¾" spigotted Rigid Metal Conduit, 6' stick, 12 per box	\$1,046.50
91-027 NPT	¾" spigotted Rigid Metal Conduit, 8" stub	\$30.75
REB-C-0075	¾" fiberglass entry seal, flat surface	\$180.50
REB-C-R-0075	¾" fiberglass entry seal, round surface	\$192.50
303-063	Polyethylene entry seal (used for both ¾" and 1" systems)	\$28.75
49-063-031	¾" polyethylene entry seal reducer	\$29.75
49-031-027	¾" reducing coupler	\$30.50
02-027	¾" coupler	\$30.75

**1" Cable Tight™ Wire Management System**

Model	Description	List
000-100-1000-EC	1" flexible conduit, 1,000' coil	\$1,231.75
000-100-06-ERMC-PE	1" coated rigid metal conduit, 6' stick, 12 per box	\$1,656.25
000-100-06-ERMC	1" spigotted Rigid Metal Conduit, 6' stick, 12 per box	\$1,183.00
91-033 NPT	1" spigotted Rigid Metal Conduit, 8" stub	\$33.75
REB-C-0100	1" fiberglass entry seal, flat surface	\$180.50
REB-C-R-0100	1" fiberglass entry seal, round surface	\$192.50
303-063	Polyethylene entry seal (used for both ¾" and 1" systems)	\$28.75
49-063-038	1" polyethylene entry seal reducer	\$31.50
49-038-033	1" reducing coupler	\$45.50
02-033	1" coupler	\$30.25

**Cable Tight™ Wire Management System Installation Tools**

Model	Description	List
EF1-230V	Handheld electrofusion welder, 230 V, with carrying case and all necessary welding leads	\$2,399.75
408032001	Step - up transformer, required for handheld welder operation	\$260.75
SCR.HAR	Handheld scraper	\$24.25
SCR.HAR(B)	Spare blades for handheld scraper	\$21.25
303-CLAMP-1	Polyethylene entry seal welding clamp (for use with P/N 303-063)	\$152.25
CLAMP(S)	Straight clamp for conduit joints	\$254.25
408033901	Consumables kit, includes: (1) pound of lint-free rags, (2) markers, (2) one quart spray bottles, (1) box of Nitrile gloves, (2) silver markers, (1) sheet emery cloth, (2) paint scrapers	\$6,362.50

**UPP Semi-Rigid Pipework Systems**
**UPP 1½" Secondary Contained Pipework System**

Model	Description	List
001-063-050-028PSE	1 ½" double wall pipe, 28' stick	\$489.50
001-063-050-033PSE	1 ½" double wall pipe, 33' stick	\$577.25
001-063-050-165PSE	1 ½" double wall pipe, 165' coil	\$2,883.75
02-50-U	1 ½" primary welding coupler	\$24.25
02-050-L-U	1 ½" primary welding coupler, long	\$31.00
03-050-EIF-U	1 ½" primary electrofusion 90° elbow fitting	\$53.75
03-050-L	1 ½" primary plain 90° elbow fitting	\$22.00
04-050-EIF-U	1 ½" primary electrofusion 45° elbow fitting	\$53.75
04-050-L	1 ½" primary plain 45° elbow fitting	\$22.00
08-050-EIF-U	1 ½" single wall electrofusion tee fitting	\$62.50
08-050-L	1 ½" primary plain tee fitting	\$34.00
09-063-050-L	2" x 1 ½" primary plain reducer fitting	\$26.50
10-050-L	1 ½" primary plug	\$20.00
02-63SC-U	1 ½" secondary welding coupler	\$13.25
49-063-050-U	1 ½" secondary electrofusion reducer fitting	\$82.25
49-063-050TP-U	1 ½" secondary electrofusion reducer fitting with test port	\$82.25
49-110-063SC-U	4" x 1 ½" secondary electrofusion reducer fitting	\$70.50
91-050 NPT-U	1 ½" (pipe) x 1 ½" NPT male threaded termination fitting	\$90.00
91-050 SS NPT-U	1 ½" (pipe) x 1 ½" NPT male threaded termination fitting, stainless steel	\$153.50
92-063-1 NPT-U	2" (pipe) x 1 ½" NPT male threaded termination fitting	\$91.25
91-063 NPT-U	2" (pipe) x 2" NPT male threaded termination fitting	\$90.00
92-050 NPT-U	1 ½" (pipe) x 1 ½" NPT female threaded termination fitting	\$90.00
92-063-1 NPT-U	2" (pipe) x 1 ½" NPT female threaded termination fitting	\$91.25
92-050 UF NPT-U	1 ½" (pipe) x 1 ½" NPT union adapter termination fitting	\$98.75
11.50G	1 ½" gasket	\$11.25
HEX 2	2" NPT X 1 ½" NPT hex adapter	\$34.00
303-063-EIF-U	1 ½" double wall / 2" single wall electrofusion entry boot	\$141.50
304-110-063-TP	1 ½" double wall ducted entry boot with ducting test port	\$203.75
G3-063-050-U	SC 1 1/2" Gemini 90° Elbow	\$159.00
G4-063-050-U	SC 1 1/2" Gemini 45° Elbow OR SC 1 1/2" Gemini Inline Joint	\$159.00
G8-063-050-U	SC 1 ½" Gemini Tee	\$318.75

**UPP 2" Primary Pipework System**

Model	Description	List
001-063-019VE	2' single wall pipe, 19' stick	\$230.00
02-63-U	2' primary welding coupler	\$35.50
02-063-L-U	2' primary welding coupler, long	\$40.75
03-063-EIF-U	2' primary electrofusion 90° elbow fitting	\$53.75
03-063-L	2' primary plain 90° elbow fitting	\$22.25
04-063-EIF-U	2' primary electrofusion 45° elbow fitting	\$53.75
08-063-EIF-U	2' single wall electrofusion tee fitting	\$62.75
08-063-L	2' primary plain tee fitting	\$48.50
09-090-063EIF-U	3" x 2" primary electrofusion reducer fitting	\$62.25
09-090-063-L-U	3" x 2" primary plain reducer fitting	\$32.00
09-110-063-L-U	4" x 2" primary plain reducer fitting	\$34.00
10-063-L-U	2' primary plug	\$20.00
91-063 NPT-U	2' (pipe) x 2" NPT male threaded termination fitting	\$90.00
91-063 SS NPT-U	2' (pipe) x 2" NPT male threaded termination fitting, stainless steel	\$209.25
91-063-1 NPT-U	2' (pipe) x 1 1/2" NPT male threaded termination fitting	\$90.00
92-063 NPT-U	2' (pipe) x 2" NPT female threaded termination fitting	\$90.00
90-063 QL-U	2' (pipe) x 2" quick release termination fitting	\$90.00
92-063 UF NPT-U	2' (pipe) x 2" NPT union adapter termination fitting	\$143.50
90-063F-U	Termination Fitting 63mm flanged	\$149.00
11.63G	2' gasket	\$11.25
303-063-EIF-U	1 1/2' double wall/ 2' single wall electrofusion entry boot	\$141.50
FEB-075-M	2' fiberglass entry boot	\$345.00

**UPP 2" Secondary Contained Pipework System**

Model	Description	List
001-075-063-028PSE	2' double wall pipe, 28' stick	\$632.00
001-075-063-033PSE	2' double wall pipe, 33' stick	\$744.50
001-075-063-038PSE	2' double wall pipe, 38' stick	\$857.50
001-075-063-100PSE	2' double wall pipe, 100' coil	\$2,255.25
001-075-063-159PSE	2' double wall pipe, 159' coil	\$3,221.75
001-075-063-165PSE	2' double wall pipe, 165' coil	\$3,721.00
02-63-U	2' primary welding coupler	\$35.50
02-75SC-U	2' Secondary Weld Coupling	\$16.50
02-063-L-U	2' primary welding coupler, long	\$40.75
03-063-EIF-U	2' primary electrofusion 90° elbow fitting	\$53.75
04-063-EIF-U	2' primary electrofusion 45° elbow fitting	\$53.75
08-063-EIF-U	2' single wall electrofusion tee fitting	\$62.75
49-075-063-1-U	2' secondary electrofusion reducer fitting	\$83.50
49-075-063TP1-U	2' secondary electrofusion reducer fitting with test port	\$83.50
03-050-L	4" x 2" secondary electrofusion reducer fitting	\$22.00
49-110-075SC-U	4" x 2" secondary plain reducer fitting	\$70.50
10-075-SC	2" secondary plug	\$10.00
91-063 NPT-U	2" (pipe) x 2" NPT male threaded termination fitting	\$90.00
92-063 NPT-U	2" (pipe) x 2" NPT female threaded termination fitting	\$90.00
303-075-EIF-U	2' double wall electrofusion entry boot	\$141.50
304-110-075-TP	2' double wall ducted entry boot with ducting test port	\$203.75
G3-075-063-U	SC 2' Gemini 90° Elbow	\$173.25
G4-075-063-U	SC 2' Gemini 45° Elbow OR SC 2' Gemini Inline Elbow	\$173.25
G8-075-063-U	SC 2' Gemini Tee	\$427.25

**UPP 3" Primary Pipework System**

Model	Description	List
001-090-019VE	3" single wall vent pipe, 19' stick	\$359.25
02-90-U	3" primary welding coupler	\$53.75
03-090-EIF-U	3" primary electrofusion 90° elbow fitting	\$81.25
03-090-L	3" primary plain 90° elbow fitting	\$40.75
04-090-EIF-U	3" primary electrofusion 45° elbow fitting	\$81.25
08-090-EIF-U	3" single wall electrofusion tee fitting	\$117.50
08-090-L-U	3" primary plain tee fitting	\$124.00
09-110-090EIF-U	4" x 3" primary electrofusion reducer fitting	\$76.00
10-090-L-U	3" primary plug	\$24.25
91-090 NPT-U	3" (pipe) x 3" NPT male threaded termination fitting	\$152.50
92-090 NPT-U	3" (pipe) x 3" NPT female threaded termination fitting	\$151.50
90-090 QL-U	3" (pipe) x 3" quick release termination fitting	\$90.00
90-090F-U	Termination fitting 90mm flanged	\$86.75
304-110-090-U	3" electrofusion entry boot	\$201.75

**UPP 3" Secondary Contained Pipework System**

Model	Description	List
001-110-090-019PSE	3" double wall pipe, 19' stick	\$696.50
001-110-090-038PSE	3" double wall pipe, 38' stick	\$1,338.50
02-90-U	3" primary welding coupler	\$53.75
02-110SC-U	3" secondary welding coupler	\$16.50
03-090-EIF-U	3" primary electrofusion 90° elbow fitting	\$81.25
04-090-EIF-U	3" primary electrofusion 45° elbow fitting	\$81.25
08-090-EIF-U	3" single wall electrofusion tee fitting	\$117.50
08-110M-U	110mm Electrofusion Tee	\$266.25
49-110-090-U	4" x 3" secondary electrofusion reducer fitting	\$181.00
49-110-090TP-U	4" x 3" secondary electrofusion reducer fitting with test port	\$312.25
91-090 NPT-U	3" (pipe) x 3" NPT male threaded termination fitting	\$152.50
91-090 SS NPT-U	3" (pipe) x 3" NPT male threaded termination fitting, stainless steel	\$296.00
92-090 NPT-U	3" (pipe) x 3" NPT female threaded termination fitting	\$151.50
10-090-L-U	3" primary plug	\$24.25
304-110-090-U	3" double wall electrofusion entry boot with integrated termination fitting	\$201.75
304-110-090TP-U	3" double wall electrofusion entry boot with integrated termination fitting and test port	\$224.50
G3-110-090-U	SC 3" Gemini 90° Elbow	\$201.75
G4-110-090-U	SC 3" Gemini 45° Elbow OR SC 3" Gemini Inline Joint	\$201.75
G8-110-090-U	SC 3" Gemini Tee	\$442.50
FEB-110-M	3" fiberglass entry boot	\$432.75

**UPP 4" Secondary Contained Pipework System**

Model	Description	List
001-125-110-019PSE	4" double wall pipe, 19' stick	\$1,370.75
02-110-U	4" primary welding coupler	\$59.25
02-125SC-U	4" secondary welding coupler	\$16.75
03-110-EIF-U	4" primary electrofusion 90° elbow fitting	\$101.00
04-110-EIF-U	4" primary electrofusion 45° elbow fitting	\$101.00
04-110-LS-4-U	4" primary plain elbow 45° fitting	\$220.50
08-110-EIF-U	4" single wall electrofusion tee fitting	\$146.00
10-110-L-U	4" primary plug	\$24.25
04-110-LS-4-U	4" lined primary 45° elbow fitting	\$220.50
08-110-L-U	4" primary tee fitting	\$229.00
49-110-075SC-U	4" X 2" Weld Reducer	\$70.50
49-125-110-U	5" x 4" secondary electrofusion reducer fitting	\$336.50
49-125-110TP-U	5" x 4" secondary electrofusion reducer fitting with test port	\$231.25
09.160.110(SC)	6" x 4" secondary plain reducer fitting	\$28.75
91-110-NPT-U	4" (pipe) x 4" NPT male threaded termination fitting	\$298.00
92-110-NPT-U	4" (pipe) x 4" NPT female threaded termination fitting	\$298.00
90-110F-U	Termination fitting 110 mm	\$118.75
FEB-S-125	4" Fiberglass Entry Fitting	\$408.50
305-125-110-U	4" double wall electrofusion entry boot with integrated termination fitting	\$240.00
305-125-110TP-U	4" double wall electrofusion entry boot with integrated termination fitting and test pot	\$244.25
G3-125-110-U	SC 4" Gemini 90° Elbow	\$357.25
G4-125-110-U	SC 4" Gemini 45° Elbow OR SC 4" Gemini Inline Joint	\$357.25

**UPP 6" Secondary Contained Pipework System**

Model	Description	List
02-160SC-U	6" secondary welding coupler	\$26.50
09.200.160(SC)	8" x 6" secondary plain reducer fitting	\$599.00

**UPP 8" Secondary Contained Pipework System**

Model	Description	List
08-200SC-U	200 mm Electrofusion Tee	\$436.00
RM-02-200-11-U	200 mm Coupler	\$199.50
09-200-125-SC-M	200 x 125 mm Reducer	\$339.50

**UPP 4" Duct System**

Model	Description	List
DUCT-400-100	4" flexible ducting, Blue fusion (100' coil)	\$687.50
DUCT-400-250	4" flexible ducting, Blue fusion (250' coil)	\$1,722.25
02-110-U	4" primary welding coupler	\$59.25
02-125SC-U	4" secondary welding coupler	\$16.75
10.125(SC)	5" secondary plug	\$40.75
49-125-110-U	5" x 4" secondary electrofusion reducer fitting	\$336.50
49-125-110TP-U	5" x 4" secondary electrofusion reducer fitting with test port	\$231.25

**Dispenser Sumps**

Model	Description	List
DS3617 ENCORE	Encore™ dispenser sump with 36" x 17" top frame	\$677.75
SBK-3	Stabilizer bar kit for Encore™ dispenser sump	\$84.25
DS3915 OVATION	Wayne™ and Ovation™ dispenser sump with 39" x 15" top frame	\$682.25
SBK-25	Stabilizer bar kit for Wayne™ and Ovation™ dispenser sump	\$79.75

Wayne™ is a trademark of Dresser Equipment Group Inc. Ovation™ is a trademark of Dresser Inc.

Encore™ is a trademark of Gilbarco Inc.

**230v EF1 Handheld Electrofusion welder**

Model	Description	List
EF1-230V	230v EF1 handheld electrofusion welder	\$2,399.75
EF1-PC 4mm	Spare single wall (primary) welding cable (orange)	\$278.25
EF1-BC 4mm*	Spare jumper welding cable (red)	\$181.00
EF1-PC 2mm-10	10 amp Weld Lead	\$236.75

\*Used to weld a series of single wall (primary) fittings.

**110v EF1 Electrofusion welder**

Model	Description	List
EF1-110V-A	110v EF1 electrofusion welder	\$4,706.25
EF1-PC 4mm	Spare single wall (primary) welding cable (orange)	\$278.25
EF1-SC 2mm	Spare double wall (secondary) welding cable (green)	\$279.25
EF1-BC 4mm*	Spare jumper welding cable (red)	\$181.00
EF1-PC 2mm-10	10 amp Weld Lead	\$236.75
EW/BC/C	Cable Welding, Primary 4pin, red	\$232.00
EW/BC/SC	Cable Welding, Secondary 4pin, green	\$232.00
EW1/C	Cable Welding 4pin, red 2mm	\$225.00

\*Used to weld a series of single wall (primary) fittings.

**Pipe Cutter**

Model	Description	List
P.CUT	1 ½" to 5" pipe cutter, medium	\$810.25
P.CUT MED	4" to 6" pipe cutter, large	\$904.50
SCR.B	Blade SCR.K(1), shallow	\$177.50

**Adjustable Rotary Scraper**

Model	Description	List
SCR-090-225	3" to 9" pipe adjustable rotary scraper	\$4,463.50
SCR.K(1)-E	Scraper Kit 50,63,90,110 mm EVOHS	\$1,943.50
SCR.K(1)SHAFT	Drive Shaft for SCR.K(1)-E	\$1,123.75
SCR.M110-FILL	Fill pipe scraper mandrel, 4"	\$287.25
SCR-025-125	Scraper 25-125 mm, 1-5"	\$2,155.75
SCR-BLADE-025-225	Spare blades for adjustable rotary scraper	\$246.50

**Rotational Pipe Scraper Tools**

Model	Description	List
RS-50	50 mm pipe scraper tool	\$1,385.75
RS-63	63 mm (2' primary or 1½" secondary) pipe scraper tool	\$1,499.00
RS-75	75 mm (2' secondary) pipe scraper tool	\$1,733.75
RS-90	90 mm pipe scraper tool	\$1,667.50
RS-110	110 mm pipe scraper tool	\$1,667.50
RS-125	125 mm pipe scraper tool	\$1,855.50

**Handheld Scraper**

Model	Description	List
SCR.HAR	Handheld scraper	\$24.25
SCR.HAR(B)	Spare blades for handheld scraper	\$21.25

**Wooden Mallet**

Model	Description	List
MAL1	Wooden mallet	\$87.50

**UPP Pipe Clamps**

Model	Description	List
CLAMP (S)	Straight clamp for straight joints (1" to 4" pipe)	\$254.25
CLAMP (A)	Angled clamp for straight and elbow joints (1" to 4" pipe)	\$354.75

**UPP Electrofusion Entry Boot Clamps**

Model	Description	List
302-CLAMP	Clamp for 302 electrofusion entry boot (orange)	\$119.50
303-CLAMP	Clamp for 303 electrofusion entry boot (blue)	\$152.25
304-CLAMP	Clamp for 304-110-090 electrofusion entry booth (yellow)	\$187.50
305-CLAMP-1	Clamp for 305-R-1 SEAL	\$108.75
305-EXT-CLAMP	Clamp for 305-125-110	\$198.25

**UPP Holes Saws**

Model	Description	List
MAN1	Mandrel (fits all hole saws)	\$84.50
HS3	4" hole saw for 303-063 and 303-075 electrofusion entry boots	\$138.25
HS075	4 1/8" hole saw for FEB-0-075 fiberglass entry boots	\$109.50
HS5	5 1/2" hole saw for FEB-D-110-1 fiberglass entry boots	\$220.25
HS6	5 5/16" hole saw for 305 electrofusion entry boots	\$388.75
HS8	210 mm hole saw for UPP 308'S	\$344.75
HSCS2	2" hole saw	\$39.00
HSP3	83 mm hole saw for UPP PS3	\$50.25
F.Driver	Driver tool	\$96.75
CW1	Cutting wheel	\$64.75

**Towing Head**

Model	Description	List
TH50-SDR8	1 1/2" single wall pipe towing head	\$623.25
TH63SC-SDR8	1 1/2" double wall pipe towing head	\$848.50
TH75SC	2" double wall pipe towing head	\$936.25

**Fiberglass Entry Boot Tools and Accessories**

Model	Description	List
E32-2014-50	Epoxy cartridge (50ml)	\$117.50
E32 GUN	Epoxy cartridge gun	\$164.25
FIBERGLASS-KIT	Fiberglass seam kit	\$353.75
EMERY	Emery cloth for fiberglass entry booth sump surface preparation (50 meter lengths)	\$148.00

\*Two tools required for tightening.

**UPP Pipe and Fitting Markers**

Model	Description	List
CHINA	Pencils for marking fittings (box of 12)	\$40.75

**UPP Consumables Kit**

Model	Description	List
408005901	UPP Consumables Includes: (1) pound of lint-free rags, (2) markers, (2) one quart spray bottle, (1) box of nitrile gloves, (2) sharpie silver markers, (1) sheet emery cloth, (2) paint scrapers	\$179.00

**Step Up Transformer**

Model	Description	List
408032001	Step up transformer	\$260.75

**UPP Essentials Tool Kit**

Model	Description	List
408033901	UPP Essentials Tool Kit includes: (1) angled clamp, (1) straight clamp, (4) 303 entry boot clamps, (1) consumables kit, (1) pipe cutter, (1) rotary scraper, (1) EFI-230v handheld welder, (1) step up transformer	\$6,362.50

**UPP Tools for 90 Series Termination Fittings**

Model	Description	List
91-050-TOOL	Plate Spanner tool for use with ½" male 90 Series termination fittings	\$61.50
92-050-TOOL	Plate Spanner tool for use with ½" female 90 Series termination fittings	\$61.50
91-063-TOOL	Plate Spanner tool for use with 2" male 90 Series termination fittings	\$61.50
92-063-TOOL	Plate Spanner tool for use with 2" female 90 Series termination fittings	\$61.50

**Miscellaneous**

Model	Description	List
I.BOX	Installation Box, no tools	\$1,822.50
LDT60-1	Leak Detector Tube, 24"	\$40.75
D/TAPE	Detector Tape 100m	\$552.00
DN50/2	Gasket / Bolt Kit DN50	\$17.75

**Flange Parts**

Model	Description	List
05-063-L	Stub Flange, 63mm	\$25.50
05-090-L	Stub Flange, 90mm	\$47.25
07.63	Gasket , 63mm	\$25.50
07.90	Gasket, 90mm	\$17.75

**9961 Clean Air Separator**

Model	Description	List
9961	Vertical clean air separator, includes breather assembly, 9466G float check, locking ball valves, locks and keys	\$14,250.75
9961H	Horizontal clean air separator, includes breather assembly, 9466G float check, locking ball valves, locks and keys	\$14,250.75
9948	Breather assembly	\$141.50
996123	1" ball valve (4 per CAS)	\$85.50
996124	Brass lock for ball valve (includes key) (4 per CAS)	\$31.50
996125	Keys for brass lock	\$17.50
9968	CAS Test Port Assembly	\$396.25
9466G	Float Check (for use with CAS only)	\$196.00
9943	Replacement Bladder for Clean Air Separator	\$1,047.75

**VP1000 Dispenser-Mounted Vacuum Source Kits**

Model	Description	List
VP1000M	Gasboy™ 9800 Series - Non-Vapor Ready to Healy	\$3,134.25
Includes:	Z081H hardware kit	\$8.50
	Z081E electrical kit	\$326.50
	Z081V vapor kit	\$300.75
	VP1000-5 vacuum pump	\$2,070.50
	1374A MC100-1 interface module with harness	\$449.50
VP1000N	Dresser Wayne™ Harmony™ Series - Balance to Healy	\$2,853.25
Includes:	Z078H hardware kit	\$7.00
	Z078E electrical kit	\$116.75
	Z078V vapor kit	\$232.50
	VP1000-5 vacuum pump	\$2,070.50
	1365A MC100-1 interface module with harness	\$449.50
VP1000P	Dresser Wayne™ Ovation™ Series - Balance or WayneVAC to Healy	\$3,318.75
Includes:	Z079H hardware kit	\$66.75
	Z079E electrical kit	\$494.00
	Z079V vapor kit	\$282.50
	VP1000-5 vacuum pump	\$2,070.50
	1365A MC100-1 interface module with harness	\$449.50
VP1000Q	Dresser Wayne™ Harmony Series - WayneVAC to Healy	\$2,931.00
Includes:	Z080H hardware kit	\$8.50
	Z080E electrical kit	\$116.75
	Z080V vapor kit	\$312.00
	VP1000-5 vacuum pump	\$2,070.50
	1365A MC100-1 interface module with harness	\$449.50
VP1000R	Gilbarco™ Encore™ 300, 500 or 700 Series - Balance to Healy	\$3,125.25
Includes:	Z082H hardware kit	\$35.00
	Z082E electrical kit	\$432.75
	Z082V vapor kit	\$174.00
	VP1000-5 vacuum pump	\$2,070.50
	1373A MC100-1 interface module with harness,	\$449.50
VP1000S	Gilbarco™ Encore™ 300 or 500 Series - VaporVAC® to Healy	\$3,178.75
Includes:	Z082H hardware kit	\$35.00
	Z082E electrical kit	\$432.75
	Z083V vapor kit	\$229.25
	VP1000-5 vacuum pump	\$2,070.50
	1373A MC100-1 interface module with harness,	\$449.50

Continued on next page

Bennett® is a registered trademark of Bennett Pump Company. Wayne™ is a trademark of Dresser Equipment Group Inc.

Ovation™, Harmony™, Roots™ and Vista™ are trademarks of Dresser Inc.

Gasboy™, Gilbarco™, Encore™, G-Site™ and Quantum™ are trademarks of Gilbarco Inc.

**VP1000 Dispenser-Mounted Vacuum Source Kits Continued**

Model	Description	List
VP1000T	Dresser Wayne™ 3 Vista™ or 4 Vista™ Series - Balance to Healy	\$3,139.00
Includes:	Z084H hardware kit	\$8.50
	Z084E electrical kit	\$393.25
	Z084V vapor kit	\$253.50
	VP1000-5 vacuum pump	\$2,070.50
	1365A MC100-1 interface module with harness	\$449.50
VP1000V	Dresser Wayne™ 1 Vista™ or 2 Vista™ blenders only - Balance to Healy	\$3,139.00
Includes:	Z084H hardware kit	\$8.50
	Z084E electrical kit	\$393.25
	Z084V vapor kit	\$253.50
	VP1000-5 vacuum pump	\$2,070.50
	1363A MC100-1 interface module with harness,	\$449.50

Vista™ is a trademark of Dresser Inc. Wayne™ is a trademark of Dresser Equipment Group Inc.

**VP1000 Dispenser Mounted Vacuum Source Kits (Non-Inclusive)**

Model	Description	List
VP1000A	For use with all dispenser types, use if a model-specific VP1000D-V is not available. Includes VP1000-5 vacuum pump, 1360A interface module and 1404 universal hardware/mounting kit.	\$2,734.00
VP1000D	Gilbarco™ 300 blender dispensers only (early model AC solenoid valves, pre-April 2003). Includes VP1000-5 vacuum pump, 1368A interface module with harness and 1404 universal hardware/mounting kit.	\$2,810.50
VP1000E	International only, VP1000-220, 1380A and 1404	\$2,951.25
VP1000G	Wayne™ DL non-blender dispensers only. Includes VP1000-5 vacuum pump, 1354A interface module with harness and 1404 universal hardware/mounting kit.	\$2,810.50
VP1000H	Tokheim™ Premier™ C blender dispensers with 24 VDC solenoids only. Includes VP1000-5 vacuum pump, 1362A interface module with harness and 1404 universal hardware/mounting kit.	\$2,810.50
VP1000J	Tokheim™ earlier-series blender dispenser with AC and DC solenoids. Includes VP1000-5 vacuum pump, 1372A interface module with harness and 1404 universal hardware/mounting kit.	\$2,810.50

Wayne™ is a trademark of Dresser Equipment Group Inc. Tokheim™ and Premier™ are trademarks of Tokheim Holding B.V.

Gasboy™, Gilbarco™, Encore™, G-Site™ and Quantum™ are trademarks of Gilbarco Inc.

**Universal Vapor and Electrical Kits**

Model	Description	List
Z070E	Electrical installation kit for VP1000 Series vacuum source, for use with VP1000A-J	\$335.75
Z071V	Vapor piping installation kit for VP1000 Series vacuum source, for use with VP1000A-J	\$300.00
Z069E	International only, 220V electrical installation kit for VP1000E	\$335.75

**VP1000 Replacement Parts**

Model	Description	List
1316	6" potted conduit assembly	\$130.50
1346	3" potted conduit assembly, used in Z078E, Z079E, Z080E and Z084E	\$130.50
1354	Wire harness for use with Wayne™ DL non-blenders	\$132.75
1354A	1354 wire harness with interface module	\$476.50
1360	Wire harness, universal	\$52.00
1360A	1360 wire harness with interface module, universal	\$396.25
1362	Wire harness for use with Tokheim™ Premier™ C blender dispensers with 24 VDC solenoids	\$132.75
1362A	1362 wire harness with interface module	\$476.50
1363	Wire harness for use with Wayne™ 1 Vista™ and 2 Vista™ blender dispensers	\$132.75
1363A	1363 wire harness with interface module	\$476.50
1365	Wire harness for use with Wayne™ Ovation, 3 Vista™ and 4 Vista™ dispensers	\$132.75
1365A	1365 wire harness with interface module	\$476.50
1368	Wire harness for use with Gilbarco™ Encore™ 300 blender dispensers, early AC solenoids, pre-April 2003	\$132.75
1368A	1368 wire harness with interface module	\$476.50
1372	For use with earlier version Tokheim™ blender dispensers with AC and DC solenoids	\$132.75
1372A	1372 wire harness with interface module	\$476.50
1373	Wire harness for use with Gilbarco™ Encore™ 300 and 500 Series dispensers, with 24VDC solenoids	\$132.75
1373A	1373 wire harness with interface module	\$476.50
1374	Wire harness for use with Gasboy™ 9800	\$132.75
1374A	1374 wire harness with interface module	\$476.50
1404	Universal mounting kit	\$310.25
144401	VP1000 front cover assembly (98008 O-ring sold separately)	\$310.25
MC100-1	Universal interface module only	\$345.00
VP1000-5	Vacuum pump only, 110 Volt	\$2,091.00
RVP1000-5	Rebuilt VP1000-5 vacuum pump only	supplement
VP1000-5 Core	VP1000-5 core in reusable condition for rebuild	supplement
VP1000-220	International vacuum pump only, 220 Volt	\$2,129.50
MC200-1	International control module only, 220 Volt	\$385.75
131602901	International 6" potted conduit assembly, 220V	\$130.50
1380	International wire harness, universal 220V	\$49.50
1380A	International 1380 wire harness with interface module, universal 220V	\$437.00
MC100-1 PLUG	Replacement jumper plug for interface module	\$7.00
98008	O-ring for VP1000 front cover	\$6.00
144402	VP1000 front cover assembly (international only)	\$349.75
VP1000VRC-G	Vane and rotor replacement, pps	\$253.50

Vista™ is a trademark of Dresser Inc. Wayne™ is a trademark of Dresser Equipment Group Inc.

Ovation™ is a trademark of Dresser Inc. Tokheim™ and Premier™ are trademarks of Tokheim Holding B.V.

Gasboy™, Gilbarco™, Encore™, G-Site™ and Quantum™ are trademarks of Gilbarco Inc.

**VP1200 Series Self-Contained Suction Pump Dispenser-Mounted Vacuum Source**

Model	Description	List
VP1200-11	Self-contained suction pump-mounted assembly with bronze rotor	\$720.75
VP1200-13	Self-contained suction pump-mounted assembly with flame arrestors and bronze rotor	\$854.00
VP1200-21	Self-contained suction pump-mounted assembly with PPS rotor	\$703.25
VP1200-23	Self-contained suction pump-mounted assembly with flame arrestors and PPS rotor	\$787.50
VP1200VR-B	Vane and rotor kit (bronze)	\$281.50
127434	Machine key, square	\$5.25

Note: For international markets, contact factory for additional information. Non-electric, powered by a suction dispenser pump motor.

**400 Series ORVR Nozzle**

Model	Description	List
400-04 FS	400 ORVR compatible nozzle, unleaded, full-service with black scuffguard*	\$820.00
400-04 RFS	Rebuilt 400 ORVR compatible nozzle, unleaded, full-service with black scuffguard*	supplement
400-04 SS	400 ORVR compatible nozzle, unleaded, self-service with black scuffguard*	\$820.00
400-04 RSS	Rebuilt 400 ORVR compatible nozzle, unleaded, self-service with black scuffguard*	supplement
400 Core	400 nozzle core, in reusable condition for rebuild	supplement
468	400 nozzle scuffguard, black	\$21.50
468BL	400 nozzle scuffguard, blue	\$21.50
468G	400 nozzle scuffguard, green	\$21.50
468GD	400 nozzle scuffguard, gold	\$21.50
468R	400 nozzle scuffguard, red	\$21.50
468SL	400 nozzle scuffguard, silver	\$21.50
468W	400 nozzle scuffguard, white	\$21.50
469	400 nozzle handle cover	\$13.50
405220905	400 nozzle spout kit includes 408-2A spout assembly, 408-OR O-ring kit, 409 boot assembly and 425 boot clamp	\$197.75
405219904	400 nozzle boot assembly includes 425 boot clamp	\$122.00
405221901	400 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover	\$40.75

\*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "04" in the model number as follows: BL for blue, GD for gold, G for green, R for red, SL for silver or W for white.

**600 Series Bootless Nozzle**

Model	Description	List
600-02G9 FS	600 bootless nozzle, unleaded, full-service with black scuffguard* with G9 Spout	\$444.75
600-02G9 RFS	Rebuilt 600 bootless nozzle, unleaded, full-service with black scuffguard*	supplement
600-02G9 SS	600 bootless nozzle, unleaded, self-service with black scuffguard*	\$444.75
600-02G9 RSS	Rebuilt 600 bootless nozzle, unleaded, self-service with black scuffguard*	supplement
469	600 nozzle handle cover	\$13.50
600 Core	600 nozzle core, in reusable condition for rebuild	supplement
6030	600 nozzle scuffguard, black	\$20.00
6030BL	600 nozzle scuffguard, blue	\$20.00
6030G	600 nozzle scuffguard, green	\$20.00
6030GD	600 nozzle scuffguard, gold	\$20.00
6030R	600 nozzle scuffguard, red	\$20.00
6030SL	600 nozzle scuffguard, silver	\$20.00
6030W	600 nozzle scuffguard, white	\$20.00
6030Y	600 nozzle scuffguard, yellow	\$20.00
405219903	600 nozzle vapor escape guard and 6119 boot clamp, black	\$26.25

Continued on next page

**600 Series Bootless Nozzle Continued**

Model	Description	List
405220906	600 nozzle spout kit includes 6206-G9 spout assembly, 6206-OR O-ring kit, 6118 vapor escape guard, and 6119 boot clamp	\$136.00
405221901	600 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 handguard and 235-C lever cover	\$38.25

\*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G9" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

**800 Series ORVR Nozzle**

Model	Description	List
800-02G3 FS	800 ORVR compatible nozzle, unleaded, full-service with black scuffguard*	\$503.75
800-02G3 RFS	Rebuilt 800 ORVR compatible nozzle, unleaded, full-service with black scuffguard*	supplement
800-02G3 SS	800 ORVR compatible nozzle, unleaded, self-service with black scuffguard*	\$503.75
800-02G3 RSS	Rebuilt 800 ORVR compatible nozzle, unleaded, self-service with black scuffguard*	supplement
469	800 nozzle handle cover	\$13.50
6408	800 nozzle scuffguard, black	\$20.00
6408BL	800 nozzle scuffguard, blue	\$20.00
6408G	800 nozzle scuffguard, green	\$20.00
6408GD	800 nozzle scuffguard, gold	\$20.00
6408R	800 nozzle scuffguard, red	\$20.00
6408SL	800 nozzle scuffguard, silver	\$20.00
6408W	800 nozzle scuffguard, white	\$20.00
6408Y	800 nozzle scuffguard, yellow	\$20.00
800 Core	800 nozzle core, in reusable condition for rebuild	supplement
405219902	800 nozzle mini-boot with face seal and 640956 boot clamp	\$98.50
405220902	800 nozzle spout kit includes 8177 spout assembly, 6206-OR O-ring kit, 6395A boot and 640956 boot clamp	\$183.00
405221901	800 nozzle hold-open clip kit includes 6238-2 hold open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover	\$38.25

\*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in the model number as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

**900 Series EVR Certified Nozzle**

Model	Description	List
900-02G3 FS	900 EVR/ORVR compatible nozzle, unleaded, full-service with black scuffguard*	\$549.25
900-02G3 RFS	Rebuilt 900 EVR/ORVR compatible nozzle, unleaded, full-service with black scuffguard*	supplement
900-02G3 SS	900 EVR/ORVR compatible nozzle, unleaded, self-service with black scuffguard*	\$549.25
900-02G3 RSS	Rebuilt 900 EVR/ORVR compatible nozzle, unleaded, self-service with black scuffguard*	supplement
469	900 nozzle handle cover	\$13.50

Continued on next page

**900 Series EVR Certified Nozzle Continued**

Model	Description	List
6408	900 nozzle scuffguard, black	\$20.00
6408BL	900 nozzle scuffguard, blue	\$20.00
6408G	900 nozzle scuffguard, green	\$20.00
6408GD	900 nozzle scuffguard, gold	\$20.00
6408R	900 nozzle scuffguard, red	\$20.00
6408SL	900 nozzle scuffguard, silver	\$20.00
6408W	900 nozzle scuffguard, white	\$20.00
6408Y	900 nozzle scuffguard, yellow	\$20.00
900 Core	900 nozzle core, in reusable condition for rebuild	supplement
405219906	900 nozzle new mini-boot with face seal and boot clamp	\$112.75
405220901-EOR	900 dripless nozzle spout kit includes EOR spout assembly, EOR O-ring kit, EOR boot assembly and boot clamp	\$222.50
405221901	900 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover	\$38.25

\*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow. EOR = Enhanced ORVR Recognition.

**75 Series ¾" Standard Healy Hose Assembly**

Model	Description	List
75B-030-S2S2	3' standard Healy coaxial hose	\$128.25
75B-035-S2S2	3½' standard Healy coaxial hose	\$132.75
75B-040-S2S2	4' standard Healy coaxial hose	\$136.50
75B-045-S2S2	4½' standard Healy coaxial hose	\$140.75
75B-050-S2S2	5' standard Healy coaxial hose	\$144.75
75B-055-S2S2	5½' standard Healy coaxial hose	\$149.25
75B-060-S2S2	6' standard Healy coaxial hose	\$153.25
75B-065-S2S2	6½' standard Healy coaxial hose	\$157.00
75B-070-S2S2	7' standard Healy coaxial hose	\$161.25
75B-075-S2S2	7½' standard Healy coaxial hose	\$165.50
75B-080-S2S2	8' standard Healy coaxial hose	\$169.75
75B-085-S2S2	8½' standard Healy coaxial hose	\$173.75
75B-090-S2S2	9' standard Healy coaxial hose	\$177.75
75B-095-S2S2	9½' standard Healy coaxial hose	\$182.25
75B-100-S2S2	10' standard Healy coaxial hose	\$186.25
75B-105-S2S2	10½' standard Healy coaxial hose	\$190.50
75B-110-S2S2	11' standard Healy coaxial hose	\$194.00
75B-115-S2S2	11½' standard Healy coaxial hose	\$198.25
75B-120-S2S2	12' standard Healy coaxial hose	\$202.00
75B-125-S2S2	12½' standard Healy coaxial hose	\$206.75
75B-130-S2S2	13' standard Healy coaxial hose	\$211.00
75B-135-S2S2	13½' standard Healy coaxial hose	\$215.00
75B-140-S2S2	14' standard Healy coaxial hose	\$219.25
75B-010-S3F3	1' metric-ready dispenser coaxial hose	\$103.25
75B-020-S3F3	2' metric-ready dispenser coaxial hose	\$129.50
75B-040-S3F3	4' metric-ready dispenser coaxial hose	\$147.00
75B-050-S3F3	5' metric-ready dispenser coaxial hose	\$156.25
75B-060-S3F3	6' metric-ready dispenser coaxial hose	\$164.00
75B-070-S3F3	7' metric-ready dispenser coaxial hose	\$172.00
75B-075-S3F3	7½' metric-ready dispenser coaxial hose	\$172.75
75B-080-S3F3	8' metric-ready dispenser coaxial hose	\$175.75
75B-085-S3F3	8½' metric-ready dispenser coaxial hose	\$179.75
75B-090-S3F3	9' metric-ready dispenser coaxial hose	\$183.75
75B-095-S3F3	9½' metric-ready dispenser coaxial hose	\$187.75
75B-100-S3F3	10' metric-ready dispenser coaxial hose	\$192.25
75B-105-S3F3	10½' metric-ready dispenser coaxial hose	\$196.50

Continued on next page

**75 Series ¾" Standard Healy Hose Assembly, Continued**

Model	Description	List
75B-110-S3F3	11' metric-ready dispenser coaxial hose	\$200.50
75B-115-S3F3	11½' metric-ready dispenser coaxial hose	\$204.25
75B-120-S3F3	12' metric-ready dispenser coaxial hose	\$208.75
75B-130-S3F3	13' metric-ready dispenser coaxial hose	\$217.00
75B-140-S3F3	14' metric-ready dispenser coaxial hose	\$225.25

Note: Healy hoses are available from three feet up to 20 feet; contact factory for pricing and availability of lengths not shown. Hoses are CARB-approved for overall assembly lengths up to 20 feet, including breakaway and whip hose.

\*Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red. Consult factory for pricing.

**75 Series ¾" Standard Whip Hose**

Model	Description	List
75B-008-F2F2	Healy straight thread, fixed ends on breakaway and dispenser ends	\$87.50
75B-008-F3F2	Healy straight thread, fixed end on breakaway end, metric thread on dispenser end	\$87.50
75B-008-S2F2	Healy straight thread, fixed end on breakaway end, swivel end on dispenser end	\$96.50
75B-008-S3F2	Healy straight thread, fixed end on breakaway end, metric swivel thread end on dispenser end	\$96.50
75B-010-S4F2	Fixed end on breakaway end, balance swivel end on dispenser end	\$118.50

Note: Hose ends are defined as follows: F2 = fixed ends with Healy straight thread, F3 = fixed ends with metric M-34 thread, S2 = swivel ends with Healy straight thread, S3 = swivel ends with metric M-34 thread, S4 = swivel ends with balance-type thread.

\*Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red. Consult factory for pricing.

**75 Series ¾" Healy Hose Assembly for Metric-Ready Dispensers**

Model	Description	List
75B-080-S3F2	8' metric-ready dispenser coaxial hose	\$175.75
75B-085-S3F2	8½' metric-ready dispenser coaxial hose	\$179.75
75B-090-S3F2	9' metric-ready dispenser coaxial hose	\$183.75
75B-095-S3F2	9½' metric-ready dispenser coaxial hose	\$187.75
75B-100-S3F2	10' metric-ready dispenser coaxial hose	\$192.25
75B-105-S3F2	10½' metric-ready dispenser coaxial hose	\$196.50
75B-110-S3F2	11' metric-ready dispenser coaxial hose	\$200.50
75B-115-S3F2	11½' metric-ready dispenser coaxial hose	\$204.25
75B-120-S3F2	12' metric-ready dispenser coaxial hose	\$208.75
75B-125-S3F2	12½' metric-ready dispenser coaxial hose	\$212.75
75B-130-S3F2	13' metric-ready dispenser coaxial hose	\$217.00
75B-135-S3F2	13½' metric-ready dispenser coaxial hose	\$221.00
75B-140-S3F2	14' metric-ready dispenser coaxial hose	\$225.25

\*Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red. Consult factory for pricing.

**75 Series ¾" Healy Hose Assembly for Balance-Ready Dispensers**

Model	Description	List
75B-080-S4F2	8' balance-ready dispenser coaxial hose	\$189.50
75B-085-S4F2	8½' balance-ready dispenser coaxial hose	\$193.25
75B-090-S4F2	9' balance-ready dispenser coaxial hose	\$197.75
75B-095-S4F2	9½' balance-ready dispenser coaxial hose	\$201.75
75B-100-S4F2	10' balance-ready dispenser coaxial hose	\$206.00
75B-105-S4F2	10½' balance-ready dispenser coaxial hose	\$209.75
75B-110-S4F2	11' balance-ready dispenser coaxial hose	\$214.25
75B-115-S4F2	11½' balance-ready dispenser coaxial hose	\$218.50
75B-120-S4F2	12' balance-ready dispenser coaxial hose	\$222.25
75B-125-S4F2	12½' balance-ready dispenser coaxial hose	\$226.75
75B-130-S4F2	13' balance-ready dispenser coaxial hose	\$230.50
75B-135-S4F2	13½' balance-ready dispenser coaxial hose	\$235.00
75B-140-S4F2	14' balance-ready dispenser coaxial hose	\$238.75

Note: Healy hoses are available from three feet up to 20 feet; contact factory for pricing and availability of lengths not shown. Hoses are CARB-approved for overall assembly lengths up to 20 feet, including breakaway and whip hose.

\*Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red. Consult factory for pricing.

**75 Series Coaxial Hose Assembly Adapters**

Model	Description	List
CX6-A	Hose adapter, non-vapor ready, NPT	\$56.75
CX6-AE	Hose adapter, non-vapor ready, BSP, international only	\$63.00
CX6-VV3A	Hose adapter, non-vapor ready, multi-product units	\$109.25

**75 Series Standard and Balance-Ready Healy Hose Assembly Breakaways**

Model	Description	List
715VV	Repair kit for 8701VV breakaway, includes valves and O-rings	\$63.00
761	Nozzle end for 8701VV breakaway scuffguard	\$9.00
762	Dispenser end for 8701VV breakaway scuffguard	\$9.00
787	Nickel plated brass shear screw for 8701VV	\$9.00
787-1	Nickel plated brass shear screw for 807 swivel breakaway	\$9.00
795	Clamp repair tool for 8701VV and 807 breakaway	\$201.00
807	Swivel breakaway installed between hose and nozzle	\$264.75
8701VV	Standard hose breakaway with vapor path shut-off, 350 lbs. strength	\$155.00
Z055	O-ring kit for 8701VV with nickel plated shear screw	\$20.25

**Dispenser Vapor Retrofit Kits (Hose adapters are not included in retrofit kits)**

Model	Description	List
Z008	Standard for single-hose dispenser	\$120.50
Z009	Standard for dual-hose dispenser	\$196.25
Z044C	Universal for six-hose multi-product dispenser	\$374.00
Z046C	Universal for four-hose multi-product dispenser	\$312.50
Z047C	Universal for two-hose multi-product dispenser	\$227.00

**Hose Accessories and Spare Parts**

Model	Description	List
516	Hose end O-ring for S4 fitting, large	\$5.00
1301	Hose flow limiter for 8701VV standard breakaway, installed between breakaway and main hose	\$72.50
1302	Hose flow limiter for 807 swivel breakaway, installed between main hose & nozzle	\$72.50
8103	Hose Clamp, 3/4" for connecting to Hose Retractor or Retriever	\$27.50
407924901	Anti-Kink Hose Clamp, supporting both 5/8" and 3/4" hose	\$29.00
HB-2	Hose end O-ring for S2 fitting, large	\$5.00
HB-4	Vapor end quad ring (2 required per adaptor)	\$5.00
291	Vapor end O-ring (2 required per adaptor)	\$5.00
6094	Hose end O-ring for S3 fitting, large	\$5.00
405322918	S4F2 field replacement label kits (8 labels and 1 instruction per kit)	\$24.00
405322911	S2S2 field replacement label kit (8 labels and 1 instruction per kit)	\$24.00

**3/4" Low Permeation Vapor Recovery Hose Assembly**

Model	Description	List
75B-008-F2F2-LP	3/4" x 8" whip hose, F2 x F2 fittings	\$72.50
75B-008-F3F2-LP	3/4" x 8" whip hose, F3 x F2 fittings	\$75.50
75B-008-S2F2-LP	3/4" x 8" whip hose, S2 x F2 fittings	\$89.00
75B-008-S3F2-LP	3/4" x 8" whip hose, S3 x F2 fittings	\$89.75
75B-010-S4F2-LP	3/4" x 1' hose, S4 x F2 fittings	\$115.50
75B-040-S4F2-LP	3/4" x 4' hose, S4 x F2 fittings	\$166.00
75B-045-S4F2-LP	3/4" x 4'6" hose, S4 x F2 fittings	\$176.00
75B-050-S4F2-LP	3/4" x 5' hose, S4 x F2 fittings	\$185.25
75B-050-S2F2-LP	3/4" x 5' hose, S2 x F2 fittings	\$166.00
75B-050-S2S2-LP	3/4" x 5' hose, S2 x S2 fittings	\$183.75
75B-055-S4F2-LP	3/4" x 5'6" hose, S4 x F2 fittings	\$193.25
75B-060-S2S2-LP	3/4" x 6' hose, S2 x S2 fittings	\$201.00
75B-070-S2S2-LP	3/4" x 7' hose, S2 x S2 fittings	\$217.50
75B-080-S2S2-LP	3/4" x 8' hose, S2 x S2 fittings	\$235.00
75B-085-S2S2-LP	3/4" x 8'6" hose, S2 x S2 fittings	\$245.50
75B-090-S2S2-LP	3/4" x 9' hose, S2 x S2 fittings	\$254.00
75B-090-S4F2-LP	3/4" x 9' hose, S4 x F2 fittings	\$255.50
75B-095-S2S2-LP	3/4" x 9'6" hose, S2 x S2 fittings	\$264.00
75B-100-S2S2-LP	3/4" x 10' hose, S2 x S2 fittings	\$272.25
75B-115-S2S2-LP	3/4" x 11'6" hose, S2 x S2 fittings	\$298.75
75B-130-S2S2-LP	3/4" x 13' hose, S2 x S2 fittings	\$324.50
75B-145-S4F2-LP	3/4" x 14'6" hose, S4 x F2 fittings	\$353.50
75B-145-S4S2-LP	3/4" x 14'6" hose, S4 x S2 fittings	\$369.50
75B-160-S2S2-LP	3/4" x 16' hose, S2 x S2 fittings	\$375.00
75B-200-S2S2-LP	3/4" x 20' hose, S2 x S2 fittings	\$449.00

Note: Low Perm hoses are supplied in black only

Note: Hose ends are defined as follows: F2 = fixed ends with Healy straight thread, F3 = fixed ends with metric

M-34 thread, S2 = swivel ends with Healy straight thread, S3 = swivel ends with metric M-34 thread, S4 = swivel ends with balance-type thread.

**HEALY FLEXSTEEL FUTURA Vapor Assist Hose Assembly for Metric Swivel X Metric Fixed**

Model	Description	List
75B-010-S3F3	1' metric-ready dispenser coaxial hose,	\$103.25
75B-020-S3F3	2' metric-ready dispenser coaxial hose	\$129.50
75B-040-S3F3	4' metric-ready dispenser coaxial hose	\$147.00
75B-050-S3F3	5' metric-ready dispenser coaxial hose	\$156.25
75B-060-S3F3	6' metric-ready dispenser coaxial hose	\$164.00
75B-070-S3F3	7' metric-ready dispenser coaxial hose	\$172.00
75B-075-S3F3	7½' metric-ready dispenser coaxial hose	\$172.75
75B-080-S3F3	8' metric-ready dispenser coaxial hose	\$175.75
75B-085-S3F3	8½' metric-ready dispenser coaxial hose	\$179.75
75B-090-S3F3	9' metric-ready dispenser coaxial hose	\$183.75
75B-095-S3F3	9½' metric-ready dispenser coaxial hose	\$187.75
75B-100-S3F3	10' metric-ready dispenser coaxial hose	\$192.25
75B-105-S3F3	10½' metric-ready dispenser coaxial hose	\$196.50
75B-110-S3F3	11' metric-ready dispenser coaxial hose	\$200.50
75B-115-S3F3	11½' metric-ready dispenser coaxial hose	\$204.25
75B-120-S3F3	12' metric-ready dispenser coaxial hose	\$208.75
75B-130-S3F3	13' metric-ready dispenser coaxial hose	\$217.00
75B-140-S3F3	14' metric-ready dispenser coaxial hose	\$225.25

Note: Healy hoses can be made to custom lengths; contact factory for pricing and availability of lengths not shown. Hoses are CARB-approved, including breakaway and whip hose.

\*Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red. Consult factory for pricing.

**9000 Series Mini-Jet Central Vacuum Pump**

Model	Description	List
9000-02	9000 mini-jet, non-electric with syphon port, can handle eight fueling positions with four nozzles in simultaneous full flow	\$2,169.50
650-104-02	9000 mini-jet check valve strainer assembly (replaces 912A)	\$49.50
940A	Vacuum regulator upgrade kit	\$256.00
965	O-ring (1 per cover)	\$6.00
CV4	O-ring, for strainer assembly	\$6.00

**VP500 Central Vacuum Vane Pump**

Model	Description	List
VP500B	VP500 vane pump with U-bolts and angle bracket for mounting, handles 10 fueling positions with five nozzles in simultaneous full flow	\$2,155.25
VP500	Replacement VP500 vane pump with regulator and flame arrestor assembly	\$2,019.25
VP500VR-3	VP500 vane and rotor replacement kit, pin drive	\$942.75
5007A	Regulator assembly	\$116.50
9214	VP500 flame arrestor	\$81.50

**System Test Equipment**

Model	Description	List
405803901	Surrogate spout assembly, for use with 800 and 900 Series nozzles	\$130.50
9968	Clean air separator test port assembly	\$396.25
2302A	Gauge kit, 1-0-1" water column	\$222.75
6059	Spout adapter, air/liquid ratio test, for use with 600 Series nozzle only	\$177.75
8034-3	Spout adapter, air/liquid ratio test, for use with 800 and 900 Series nozzles only	\$180.25
8175-3	Surrogate spout assembly including 8034-3, for use with 800 and 900 Series nozzles only	\$310.25
939349A	Gauge kit, 0-100" water column	\$222.75
Z076	Roots meter package, 600 Series nozzle, includes Dresser Roots vapor recovery meter, flange kit, 2" NPT × ½" NPT reducer, 6' × ¾" hose, 600 Series nozzle spout adapter and two ½" NPT × ¾" hose barb fittings	\$6,536.00
Z077	Roots meter package, 800 and 900 ORVR nozzle, includes Dresser Roots vapor recovery meter, flange kit, 2" NPT × ½" NPT reducer, 6' × ¾" hose, ORVR nozzle spout adapter and two ½" NPT × ¾" hose barb fittings	\$6,536.00
63034	O-ring, for 8034-3 spout adapter	\$6.00
8006	Magnet strip assembly (for use with spout adapter 8034-3)	\$58.50

**Nozzles, Swivels, Breakaways, & Accessories**
**¾" Breakaways**

Model	Description	List
69713701	¾" EBW Safety-Sever Reconnectable Breakaway NPT Inlet	\$48.00
69813321	¾" EBW Safety-Sever Breakaway BSPT Inlet	\$54.50
69713301	¾" EBW Safety-Sever Replacement Set Screw	\$7.25

**¾" Nozzles**

Model	Description	List
402315901	¾" EBW Farm/Utility nozzle w leaded (diesel) spout, UL listed (UL 2586)	\$21.75
402315903	¾" EBW Farm/Utility nozzle w unleaded spout, UL listed (UL 2586)	\$21.75
498303901	¾" EBW 498 Manual Nozzle w leaded (diesel) spout, UL listed (UL 2586)	\$113.00

**1" Utility/Farm Nozzles Products**

Model	Description	List
402315902	1" EBW Farm/Utility Nozzle w leaded (diesel) spout; UL listed (UL 2586)	\$21.75
402315904	1" EBW Farm/Utility Nozzle w unleaded spout; UL listed (UL 2586)	\$21.75
498303902	1" EBW 498 Manual Nozzle w leaded (diesel) spout; w/check valve, UL listed (UL 2586)	\$122.75
498303903	1" EBW 498 Manual Nozzle w leaded spout; no check, UL listed (UL 2586)	\$121.50
49030105	1" EBW 490 Dual Poppet Nozzle w 1.25" outlet	\$178.50
49540201	1" EBW 495 Aircraft Fueling Nozzle	\$293.75

**1" Breakaways**

Model	Description	List
79722501	1" EBW Safety-Sever Reconnectable Breakaway NPT Inlet	\$105.75
79713301	1" EBW Safety-Sever Replacement Set Screw	\$9.50

**1¼" Swivels**

Model	Description	List
46510101	1¼" EBW 1¼" X 1¼" Hose Swivel without check	\$100.50
46510102	1¼" EBW 1¼" X 1¼" Hose Swivel with check	\$116.50

**1¼" Nozzles**

Model	Description	List
41030003	1¼" EBW 1¼" 410 Fuel Oil Delivery Nozzle	\$192.75
49030106	1¼" EBW 1¼" 490 Dual Poppet Nozzle w 1¼" outlet	\$192.75
49030201	1¼" EBW 1¼" 490 Dual Poppet Nozzle w 1½" outlet	\$183.75
49540101	1¼" EBW 495 Aircraft Fueling Nozzle	\$384.50

**1½" Swivels**

Model	Description	List
46510201	1½" EBW 1½" X 1½" Hose Swivel without check	\$104.25
46510202	1½" EBW 1½" X 1½" Hose Swivel with check	\$123.75

**1½" Nozzles**

Model	Description	List
41511001	1½" Automatic High Flow Bulk Fuel Nozzle	\$501.75
415415001	415 Bulk Fueling Nozzle Replacement Spout Assy "NEW 2017"	\$88.75
41040103	1½" EBW 1½" 410 Fuel Oil Delivery Nozzle	\$202.75
49540001	1½" EBW 495 Aircraft Fueling Nozzle	\$402.25

**Utility Breakaways**

Model	Description	List
BRK14-N	1.25" ACCUBREAK Heavy Duty Breakaway	\$456.50
BRK15-N	1.5" ACCUBREAK Heavy Duty Breakaway	\$456.50
BRK2-N	2" ACCUBREAK Heavy Duty Breakaway	\$893.75
BRK3-N	3" ACCUBREAK Heavy Duty Breakaway	\$6,047.00

**Utility Breakaway Repair Kits**

Model	Description	List
BRK14-K	Repair Kit for 1.25" ACCUBREAK Heavy Duty Breakaway	\$63.00
BRK15-K	Repair Kit for 1.5" ACCUBREAK Heavy Duty Breakaway	\$63.00
BRK2-K	Repair Kit for 2" ACCUBREAK Heavy Duty Breakaway	\$89.25
BRK3-K	Repair Kit for 3" ACCUBREAK Heavy Duty Breakaway	\$236.25

**Hose Retriever Systems**

Model	Description	List
HRTRVR	Hose retriever kit including head with 2" NPT inlet, cable, counterweight, pulley and hose clamps (additional counterweights available - contact Customer Service)	\$248.00
HRTRVRBASE	Hose retriever base plate, 2" NPT inlet	\$122.50
8103	¾" single hose clamp	\$27.50
407924901	Anti-Kink Hose Clamp, supporting both 5/8" and 3/4" hose	\$29.00
HB100	1" hose diameter hose support	\$184.25
HB125	1¼" hose diameter hose support	\$208.25
HB150	1½" hose diameter hose support	\$217.25
HRTRTR	Hose Retractor, 20lbs counterweight, 30 lbs	\$245.00

**RE-STAGE Stage II Replacement Adapters**

Model	Description	List
VAX075FNPT	Vapor recovery conversion adapter, vac-assist to ¾" standard conventional	\$49.00
BAX075FNPT	Balance vapor recovery conversion adapter, balance to ¾" standard conventional	\$49.00
HEX075FNPT	HEALY vac-assist conversion adapter, HEALY vacassist to ¾" standard conventional	\$49.00

**495 Utility Nozzle Replacement Parts**

Model	Description	List
495-210-01	Spout for 495-400-01	\$57.25
495-211-01	Spout for 495-401-01	\$54.00
495-125-01	Strainer for 495-401-01	\$70.00
495-112-01	Spout for 495-402-01	\$70.00
495-204-01	Strainer for 495-402-01	\$40.00
495-210-01	Spout for 495-401-01	\$57.25
495-120-01	1-1/2" tube and strainer assembly, aluminum	\$103.75
495-120-02	1-1/2" tube and strainer assembly, brass	\$101.50
495-122-01	1-1/4" tube and strainer assembly, aluminum	\$126.50

**Nozzle Accessories**
**Brass Nozzle Tubes & Nut Assemblies**

Model	Description	List
410-116-01	1-3/8" for 1.5" 410 and 490 series nozzles	\$58.50
410-122-01	1-1/8" for 1.25" 410 and 490 series nozzles	\$58.50
410-129-01	1-5/8" for 1.5" 410 and 490 series nozzles	\$64.00
410-133-01	1-3/8" for 1.25" 410 and 490 series nozzles	\$54.00

**Aluminum Nozzle Tubes**

Model	Description	List
491-100-01	1.25" nozzle tube for 410 and 490 series nozzles	\$21.00
491-101-01	1.50 nozzle tube for 410 and 490 series nozzles	\$23.50
491-107-01	1.00" nozzle tube and nut for 410 and 490 series nozzles	\$35.75

**Dust Cap Assembly**

Model	Description	List
495-105-01	For use with 1.5" nozzle	\$28.00
495-106-01	For use with 1.25" nozzle	\$21.00
495-111-01	For use with 1" nozzle	\$21.00

**Ground Wire Assembly**

Model	Description	List
495-107-01	78" ground wire	\$24.25

**Strainers**

Model	Description	List
495-125-01	1.25", steel strainer	\$70.00
495-204-01	1", brass strainer	\$40.00
495-209-01	1.5" brass strainer	\$43.50

**DEF Hanging Hardware**
**DuraDEF™ Diesel Exhaust Fluid Nozzle**

Model	Description	List
DURADEF-LB	Light blue DuraDEF nozzle with hold-open clip	\$271.75
DURADEF-LB-O	Light blue DuraDEF nozzle no hold-open clip	\$271.75

**DuraDEF™ Diesel Exhaust Fluid Nozzle With Mis-Fill Prevention Spout**

Model	Description	List
DURADEF-MPD	DuraDEF nozzle with mis-fill prevention spout, hold-open clip, light blue scuff guard	\$313.00
DURADEF-MPD-O	DuraDEF nozzle with mis-fill prevention spout no hold-open clip, light blue scuff guard	\$313.00
DEF-MPD	Mis-fill prevention device for 3/4" spout	\$45.50

**Diesel Exhaust Fluid Break Aways**

Model	Description	List
BRK34SS-N	3/4" NPT DEF break away	\$185.75
BRK34SS-P	3/4" BSPP DEF break away	\$185.75

**Diesel Exhaust Fluid Swivel Break Aways**

Model	Description	List
OMNIDEF1X34N	3/4" NPT nozzle outlet, 1" BSPP female inlet DEF swivel break away	\$107.00
OMNIDEF1X34P	3/4" BSPP nozzle outlet, 1" BSPP female inlet DEF swivel break away	\$107.00
OMNIDEF1PXM34	M34 (metric) nozzle outlet, 1" BSPP female inlet DEF swivel break away	\$107.00

**FLEX-ON™ Black Hardwall Hose Assembly- Fixed Ends**

Length	5/8" P/N	5/8" List Price	3/4" P/N	3/4" List Price	1" P/N	1" List Price
9' WHIP	FLHFR100009	\$19.50	FLHFR200009	\$20.00	FLHFR300009	\$24.00
12' WHIP	FLHFR100100	\$20.50	FLHFR200100	\$20.75	FLHFR300100	\$26.00
4'	FLHFR100400	\$27.75	FLHFR200400	\$33.50	FLHFR300400	\$40.00
4.5'	FLHFR100406	\$29.25	FLHFR200406	\$35.00	FLHFR300406	\$42.50
5'	FLHFR100500	\$30.50	FLHFR200500	\$36.50	FLHFR300500	\$45.00
5.5'	FLHFR100506	\$32.25	FLHFR200506	\$38.25	FLHFR300506	\$47.25
6'	FLHFR100600	\$33.75	FLHFR200600	\$40.00	FLHFR300600	\$50.00
7'	FLHFR100700	\$36.50	FLHFR200700	\$43.25	FLHFR300700	\$54.50
8'	FLHFR100800	\$39.75	FLHFR200800	\$44.75	FLHFR300800	\$59.25
8.5'	FLHFR100806	\$41.00	FLHFR200806	\$46.25	FLHFR300806	\$61.75
9'	FLHFR100900	\$42.75	FLHFR200900	\$48.50	FLHFR300900	\$64.00
9.5'	FLHFR100906	\$44.75	FLHFR200906	\$50.50	FLHFR300906	\$66.00
10'	FLHFR101000	\$46.25	FLHFR201000	\$52.25	FLHFR301000	\$69.25
10.5'	FLHFR101006	\$48.25	FLHFR201006	\$54.25	FLHFR301006	\$71.50
11'	FLHFR101100	\$49.75	FLHFR201100	\$56.00	FLHFR301100	\$74.00
12'	FLHFR101200	\$53.00	FLHFR201200	\$60.00	FLHFR301200	\$79.25
13'	FLHFR101300	\$56.50	FLHFR201300	\$63.50	FLHFR301300	\$83.75
14'	FLHFR101400	\$59.50	FLHFR201400	\$67.75	FLHFR301400	\$89.00
15'	FLHFR101500	\$63.50	FLHFR201500	\$71.50	FLHFR301500	\$93.75
16'	FLHFR101600	\$66.50	FLHFR201600	\$75.25	FLHFR301600	\$98.75
17'	FLHFR101700	\$70.25	FLHFR201700	\$79.25	FLHFR301700	\$103.50
18'	FLHFR101800	\$73.25	FLHFR201800	\$83.00	FLHFR301800	\$108.50
19'	FLHFR101900	\$77.25	FLHFR201900	\$86.75	FLHFR301900	\$113.25
20'	FLHFR102000	\$80.25	FLHFR202000	\$90.75	FLHFR302000	\$118.50
25'	FLHFR102500	\$97.25	FLHFR202500	\$109.75	FLHFR302500	\$143.50
30'	FLHFR103000	\$114.25	FLHFR203000	\$119.00	FLHFR303000	\$167.25
35'	FLHFR103500	\$131.75	FLHFR203500	\$141.25	FLHFR303500	\$191.25
50'	FLHFR105000	\$182.25	FLHFR205000	\$205.50	FLHFR305000	\$266.50
75'	FLHFR107500	\$268.50	FLHFR207500	\$301.00	FLHFR307500	\$389.25
100'	FLHFR110000	\$350.50	FLHFR210000	\$396.25	FLHFR310000	\$513.25

Approvals / Certifications: UL and cUL listed.

Notes: Available in colors other than BLACK. YL = Yellow, RD = Red, GR = Green, BL = Blue  
For color hose pricing - add 20% to List Price.

Available with swivel fitting options for enhanced ease of use. Ask factory for price of swivels on whip hoses

For 5/8" and 3/4" - (not including whip hoses) add \$6.00 per swivel and for 1" - add \$13.50 per swivel

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

Ordering Guide - Example: FLHFR200906GRSWOE = FLEX-ON™ Hardwall Hose, 3/4" diameter, 9 feet 6 inches length, green color, swivel on one end.

**FLEX-ON™ Black Softwall Hose Assembly**

Length	3/4" P/N	3/4" List Price	1" P/N	1" List Price
9' WHIP	FLXSW200009	\$16.50	FLXSW300009	\$22.00
5'	FLXSW200500	\$32.50	FLXSW300500	\$49.75
6'	FLXSW200600	\$34.50	FLXSW300600	\$52.00
8'	FLXSW200800	\$36.00	FLXSW300800	\$56.75
8.5'	FLXSW200806	\$37.50	FLXSW300806	\$59.25
9'	FLXSW200900	\$39.00	FLXSW300900	\$61.50
9.5'	FLXSW200906	\$40.50	FLXSW300906	\$63.50
10'	FLXSW201000	\$41.50	FLXSW301000	\$65.50
10.5'	FLXSW201006	\$43.00	FLXSW301006	\$68.00
11'	FLXSW201100	\$44.50	FLXSW301100	\$70.00
12'	FLXSW201200	\$46.75	FLXSW301200	\$74.50
13'	FLXSW201300	\$50.00	FLXSW301300	\$79.25
14'	FLXSW201400	\$52.25	FLXSW301400	\$83.25
15'	FLXSW201500	\$55.25	FLXSW301500	\$88.00
16'	FLXSW201600	\$57.75	FLXSW301600	\$92.00
17'	FLXSW201700	\$60.75	FLXSW301700	\$96.25
18'	FLXSW201800	\$63.00	FLXSW301800	\$100.50
19'	FLXSW201900	\$65.50	FLXSW301900	\$104.75
20'	FLXSW202000	\$68.75	FLXSW302000	\$109.00
25'	FLXSW202500	\$82.25	FLXSW302500	\$136.00
30'	FLXSW203000	\$95.75	FLXSW303000	\$165.50
35'	FLXSW203500	\$108.75	FLXSW303500	\$187.00
40'	FLXSW204000	\$122.25	FLXSW304000	\$209.75
50'	FLXSW205000	\$145.50	FLXSW305000	\$249.25
75'	FLXSW207500	\$211.50	FLXSW307500	\$360.75
100'	FLXSW210000	\$277.75	FLXSW310000	\$469.50

Approvals / Certifications: UL and cUL listed.

Notes: Available in **BLACK** color only

Available with swivel fitting options for enhanced ease of use.

For 5/8" and 3/4" - add \$6.00 per swivel and for 1" - add \$13.50 per swivel

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

Ordering Guide - Example: FLXSW201006SWOE = FLEX-ON™ Softwall Hose, 3/4" diameter, 10 feet, 6 inches, swivel on one end.

**FLEX-ON™ Marina Hose Assembly**

Length	3/4" P/N	3/4" List Price	1" P/N	1" List Price
3'	FLXBM200300	\$60.75	FLXBM300300	\$78.50
4'	FLXBM200400	\$70.75	FLXBM300400	\$88.75
8'	FLXBM200800	\$83.00	FLXBM300800	\$100.75
10'	FLXBM201000	\$105.75	FLXBM301000	\$107.25
16'	FLXBM201600	\$133.50	FLXBM301600	\$165.50
18'	FLXBM201800	\$146.75	FLXBM301800	\$184.75
20'	FLXBM202000	\$162.00	FLXBM302000	\$205.25
25'	FLXBM202500	\$184.25	FLXBM302500	\$267.00
30'	FLXBM203000	\$234.00	FLXBM303000	\$310.25
35'	FLXBM203500	\$248.25	FLXBM303500	\$354.25
40'	FLXBM204000	\$280.25	FLXBM304000	\$399.50
50'	FLXBM205000	\$345.00	FLXBM305000	\$487.75
60'	FLXBM206000	\$408.25	FLXBM306000	\$529.50
70'	FLXBM207000	\$463.75	FLXBM307000	\$649.25
75'	FLXBM207500	\$517.25	FLXBM307500	\$708.50
80'	FLXBM208000	\$537.50	FLXBM308000	\$768.25
85'	FLXBM208500	\$568.50	FLXBM308500	\$797.75
100'	FLXBM210000	\$664.75	FLXBM310000	\$929.00
125'	FLXBM212500	\$825.25	FLXBM312500	\$1,151.00
140'	FLXBM214000	\$917.00	FLXBM314000	\$1,268.25
150'	FLXBM215000	\$985.25	FLXBM315000	\$1,413.25
200'	FLXBM220000	\$1,306.00	FLXBM320000	\$1,813.25

Approvals / Certifications: UL and cUL listed.

Note: Comes in **GREEN** color (Also available in **BLUE**...add "BL" to the end of part #).

Note: Available with swivel fitting options for enhanced ease of use.

Note: For 3/4" - add \$6.00 per swivel and for 1" - add \$13.50 per swivel.

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com).

Ordering Guide:

**Example #1:** FLXBM201006SWOE = FLEX-ON™ Marina Hose, 3/4" diameter, 10 feet, 6 inches, swivel on one end.

**Example #2:** FLXBM201006BLSWOE = FLEX-ON™ Marina Hose, BLUE, 3/4" diameter, 10 feet, 6 inches, swivel on one end.

**FLEX-COLD Cold Weather Hose Assembly**

Length	3/4" P/N	3/4" List Price	1" P/N	1" List Price
9" WHIP	FLXCW200009	\$23.75	FLXCW300009	\$32.75
8'	FLXCW200800	\$112.50	FLXCW300800	\$163.25
9'	FLXCW200900	\$123.75	FLXCW300900	\$182.25
9.5'	FLXCW200906	\$128.50	FLXCW300906	\$192.00
10'	FLXCW201000	\$137.00	FLXCW301000	\$201.50
12'	FLXCW201200	\$161.75	FLXCW301200	\$238.00
15'	FLXCW201500	\$197.75	FLXCW301500	\$286.50
16'	FLXCW201600	\$210.75	FLXCW301600	\$307.75
18'	FLXCW201800	\$234.00	FLXCW301800	\$342.50
25'	FLXCW202500	\$322.25	FLXCW302500	\$479.25
30'	FLXCW203000	\$387.75	FLXCW303000	\$570.50
50'	FLXCW205000	\$637.75	FLXCW305000	\$865.50

Approvals / Certifications: UL and cUL listed.

Note: Designed for dispensing gasoline in extremely cold environments down to -65 °F (-54 °C). Comes in black with blue lay line.

Note: Not available with swivel fitting options

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

Ordering Guide:

Example #1: FLXCW200906 = FLEX-COLD cold weather hose, 3/4" diameter, 9 feet 6 inches length.

Example #2: FLXCW303000 = FLEX-COLD cold weather hose, 1" diameter, 30 feet length.

**AGRI-FLEX™ Farm Hose Assembly with Static Wire**

Length	3/4" P/N	3/4" List Price	1" P/N	1" List Price
8'	FTSW200800	\$22.00	FTSW300800	\$34.50
10'	FTSW201000	\$25.00	FTSW301000	\$39.50
12'	FTSW201200	\$28.25	FTSW301200	\$44.25
14'	FTSW201400	\$31.50	FTSW301400	\$51.50
16'	FTSW201600	\$35.50	FTSW301600	\$58.25
18'	FTSW201800	\$39.25	FTSW301800	\$68.00
20'	FTSW202000	\$42.00	FTSW302000	\$70.75
25'	FTSW202500	\$50.50	FTSW302500	\$91.50
30'	FTSW203000	\$58.75	FTSW303000	\$110.25
50'	FTSW205000	\$94.50	FTSW305000	\$167.75
100'	FTSW210000	\$172.00	FTSW310000	\$297.25

Approvals / Certifications: Not UL Listed

Note: Comes in Black Chemivic™ synthetic rubber (ORS) and reinforced with spiral synthetic yarn

Note: Couplings: see data sheet on web site for description

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

Ordering Guide:

Example: FTSW201000 = AGRI-FLEX™ Farm Hose, 3/4" diameter, 10 feet in length

**E85 Ethanol Hose Assembly**

Length	3/4" P/N	3/4" List Price
9" WHIP	FLXE200009	\$77.25
1'	FLXE200100	\$96.50
8'	FLXE200800	\$191.75
8.5'	FLXE200806	\$204.75
9'	FLXE200900	\$219.00
9.5'	FLXE200906	\$228.50
10'	FLXE201000	\$238.00
11'	FLXE201100	\$243.50
12'	FLXE201200	\$249.75
14'	FLXE201400	\$280.50
16'	FLXE201600	\$303.75
17'	FLXE201700	\$320.75
18'	FLXE201800	\$337.25
20'	FLXE202000	\$368.75
50'	FLXE205000	\$835.75

Approvals / Certifications: UL listed for use in ethanol dispensing applications up to E85.

Note: UL Approved to UL330 / UL330A. Only UL approved E85 Hose on the market.

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com).

Ordering Guide - Example: FLXE200806 = 3/4" Flexsteel® Futura™ Ethan-ALL™ dispensing hose assembly, 8 feet 6 inches length, black with yellow lay line and black letters (not available with swivels).

**E25 Ethanol Hose Assembly**

Length	3/4" P/N	3/4" List Price
8" WHIP	FL25E200008	\$69.00
9" WHIP	FL25E200009	\$71.25
10" WHIP	FL25E200010	\$72.00
1' WHIP	FL25E200100	\$88.50
3'	FL25E200300	\$113.75
5'	FL25E200500	\$137.00
6'	FL25E200600	\$146.75
8'	FL25E200800	\$175.75
8.5'	FL25E200806	\$191.75
9'	FL25E200900	\$200.25
10'	FL25E201000	\$220.50
12'	FL25E201200	\$230.75
18'	FL25E201800	\$310.25

Approvals / Certifications: UL listed for use in ethanol dispensing applications up to E25.

Note: UL Approved to UL330 / UL330A. Only UL approved E25 Hose on the market.

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com).

Ordering Guide - Example: FL25E200806 = 3/4" Flexsteel® Futura™ E25 dispensing hose assembly, 8 feet 6 inches length, black with orange lay line and black letters (not available with swivels).

**FLEX-ING Diesel Exhaust Fluid (DEF) Hose Assembly**

Length	3/4" P/N	3/4" List Price
1' WHIP	FLDEF200100-XX-XX	\$68.75
8'	FLDEF200800-XX-XX	\$103.50
8.5'	FLDEF200806-XX-XX	\$108.25
9'	FLDEF200900-XX-XX	\$110.75
9.5'	FLDEF200906-XX-XX	\$114.50
10'	FLDEF201000-XX-XX	\$118.50
10.5'	FLDEF201006-XX-XX	\$122.50
11'	FLDEF201100-XX-XX	\$128.75
12'	FLDEF201200-XX-XX	\$135.75
13'	FLDEF201300-XX-XX	\$142.50
14'	FLDEF201400-XX-XX	\$149.75
15'	FLDEF201500-XX-XX	\$157.00
16'	FLDEF201600-XX-XX	\$164.50
17'	FLDEF201700-XX-XX	\$171.25
17.5'	FLDEF201706-XX-XX	\$177.25
18'	FLDEF201800-XX-XX	\$183.75
19'	FLDEF201900-XX-XX	\$190.25
20'	FLDEF202000-XX-XX	\$193.75
25'	FLDEF202500-XX-XX	\$197.50
30'	FLDEF203000-XX-XX	\$212.50
35'	FLDEF203500-XX-XX	\$247.25
50'	FLDEF205000-XX-XX	\$324.25
75'	FLDEF207500-XX-XX	\$525.50

XX-XX Combinations include:

2N-2N  
2N-2P  
2P-2P  
3P-3P  
3P-3PF  
3PF-3PF  
2P-3P  
2N-3P

2 = 3/4"

3 = 1'

N = NPT

P = BSPP

F = FEMALE SWIVEL NUT

Approvals: Meets ISO 22241 standard ensuring desirable characteristics of AUS 32 (DEF), such as quality, safety, reliability and contamination.

Note: Includes blue anti-kinking sleeves on both ends of hose.

Note: Available with 1" female BSPP swivel (captured nut) option for enhanced ease of installation.

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

**Conventional Low Permeation Hose Assembly**

Length	3/4" P/N	3/4" List Price
9' WHIP	FLHLP200009	\$51.00
4'	FLHLP200400	\$86.25
6'	FLHLP200600	\$97.00
8'	FLHLP200800	\$103.25
9'	FLHLP200900	\$116.75
9.5'	FLHLP200906	\$126.00
10'	FLHLP201000	\$133.50
11'	FLHLP201100	\$148.50
12'	FLHLP201200	\$163.50
12'	FLHLP201200	\$163.50

Approvals/Certifications: CARB Approved and meets UL330 permeation limit of 10g/m<sup>2</sup>/day

Note: Available with swivel fitting options for enhanced ease of use.

Note: 3/4" - add \$6.00 per swivel

\*See hose specifications on the Dispensing Systems web page at [www.franklinfueling.com](http://www.franklinfueling.com)

Ordering Guide:

**Example #1:** FLHLP200906SWOE= Continental ContiTech 3/4" diameter, 9 feet, 6 inches, swivel on one end.

**FLEX-ING™ Softwall Service Station Air Hose Assembly**

Color	Length	1/4" Softwall P/N	1/4" Softwall List Price
BLACK	25'	FLXAH25X025BK	\$26.00
BLUE	25'	FLXAH25X025BL	\$26.00
RED	25'	FLXAH25X025RD	\$26.00
BLACK	50'	FLXAH25X050BK	\$43.50
BLUE	50'	FLXAH25X050BL	\$43.50
RED	50'	FLXAH25X050RD	\$43.50
Color	Length	1/4" Softwall P/N with Female swivel	1/4" Softwall List Price
BLACK	25'	FLXAH25X025-FSWOEBK	\$26.00
BLUE	25'	FLXAH25X025-FSWOEBL	\$26.00
RED	25'	FLXAH25X025-FSWOERD	\$26.00
BLACK	50'	FLXAH25X050-FSWOEBK	\$43.50
BLUE	50'	FLXAH25X050-FSWOEBL	\$43.50
RED	50'	FLXAH25X050-FSWOERD	\$43.50

Available in three colors; BK = BLACK, RD = Red and BL = Blue

FSWOE = Female Swivel One End

**Softwall Air Hose Assembly:**

Tube: Versigard® synthetic rubber, RMA Class C (Limited Oil Resistance)

Cover: Black, Red, or Blue Versigard® synthetic rubber (\*)

Reinforcement: Spiral synthetic yarn

Fittings: Brass NPT

Working pressure: 200 PSI

Temperature: -40°F to 160°F (-40°C to 71°C)

**FLEX-ING™ Hardwall Service Station Air Hose Assembly**

Color	Length	1/4" Hardwall P/N	1/4" Hardwall List Price
BLACK	25'	FLBAH25X025	\$75.25
RED	25'	FLRAH25X025	\$77.75
BLACK	50'	FLBAH25X050	\$141.00
RED	50'	FLRAH25X050	\$145.75
Color	Length	1/4" Hardwall P/N with Female Swivel	1/4" Hardwall List Price
BLACK	25'	FLBAH25X025-FSWOE	\$75.25
RED	25'	FLRAH25X025-FSWOE	\$77.75
BLACK	50'	FLBAH25X050-FSWOE	\$141.00
RED	50'	FLRAH25X050-FSWOE	\$145.75

Available in two colors; BK = BLACK and RD = Red

FSWOE = Female Swivel One End

**Hardwall Air Hose Assembly:**

Tube: Nitrile synthetic rubber, RMA Class B (medium/high oil resistance)

Cover: Red or black nitrile synthetic rubber, abrasion- and oil-resistant, RMA Class B (medium/high oil resistance)

Reinforcement: Braided (1) steel wire braid

Fittings: Brass NPT

Working pressure: 250 PSI

Temperature: -20°F to 160°F (-40°C to 71°C)

**Fuel And Vapor Transfer Solutions**
**Bottom Loading**

Model	Description	List
88050002	API adapter, short stroke three position, no sight glass	\$548.25
88050004	API adapter, short stroke three position, 3" bubbled sight glass	\$607.75
88050005	API adapter, short stroke three position, 3" bubbled sight glass, no handle	\$488.75
88050007	API adapter, short stroke three position, no sight glass, removable handle	\$561.25
88033001	Female gravity drop adapter	\$187.50
88041101	Male gravity drop adapter	\$134.75
88043001	Mechanically-operated 90 degree emergency valve (Victaulic™)	\$581.25
88043201	Air assisted 90 degree emergency valve (Victaulic™)	\$800.75

Victaulic™ is a trademark of Victaulic Company of America.

**Vapor Recovery**

Model	Description	List
30130001	3" N.P.S.M. vapor recovery adapter with poppet	\$125.75
30344404	4" N.P.S.M. vapor recovery adapter, no poppet	\$102.25
30230011	Flanged vapor check valve	\$294.50
88034301	Air-operated sequential vapor valve	\$483.00

**Overfill Prevention**

Model	Description	List
89040002	2-wire controller	\$1,037.75
90822101	Optic socket	\$212.00
89011001	Optic probe, 2-wire, 8"	\$226.25

**Product Drop Elbows**

Model	Description	List
88049302	Product drop elbow with cam and groove adapter and sight glass	\$846.00
88045501	Product drop elbow with sight glass	\$743.25
88046501	Dual point vapor recovery elbow	\$543.75

**Accessories**

Model	Description	List
88015001	Three-way air interlock valve	\$104.75
88015002	Three-way air interlock valve with roller top	\$128.25
88015003	Three-way air interlock valve with offset actuator	\$133.75
88040301	API adapter dust cap	\$117.25
30420005	Vapor cap with chain-chevroned gasket	\$51.25
77432002	Vapor return hose coupler	\$220.50
78430003	Hose tube door	\$77.25

**API Bottom Loading Adapters**

Model	Description	List
88050002	Short stroke three position, no sight glass	\$548.25
88050004	Short stroke three position, 3.5" sight glass	\$607.75
88050005	Short stroke, three position, no handle, 3" sight glass	\$488.75
88050007	Short stroke, removable handle, no sight glass	\$561.25
88012001	Dust boot air cylinder	\$47.75
88050701	Replacement poppet kit with handles	\$116.00
88050702	Replacement kit for bottom loaders with handles	\$102.75

**API Bottom Loading Adapter Spare Parts**

Model	Description	List
88050901	Poppet head	\$43.25
88012701	Spring, poppet	\$8.75
1103938	O-ring	\$10.00
88019101	Washer, fl at, 5/8" ID	\$4.25
88050601	Latch dual	\$23.75
88021501	Cam, loading arm	\$63.00
88019001	Roller, cam	\$9.00
88018901	Pin, roller cam	\$12.75
88019801	Hex, permanent handle	\$27.75
88010201	Spring, handle	\$7.00
88050501	Handle, dual latching	\$81.75
88050503	Handle, dual latching (Canada)	\$82.75
88019201	Pin, latch	\$8.75
1103912	O-ring, cross shaft	\$5.75
1108604	Pin, 3/16", spirol	\$4.50
1117016	Cap screw, socket head 1/4-20 x 2"	\$2.75
1103010	Cap screw, socket head, 10-24 x 5/8"	\$3.00
88051201	Sight glass, 3.5" bubble	\$44.25
1103937	O-ring, sight glass, 3.5" bubble	\$4.50

**Dust Cap**

Model	Description	List
88040301	API Bottom Loading Adapter Dust Cap	\$117.25
88020601	API Bottom Loading Adapter Gasket	\$12.25

**Air Interlock Valves**
**Three-Way Air Interlock Valves Parts List**

Model	Description	List
88014501	Plug - Nut	\$9.75
88014801	Spring	\$3.00
88017101	Spool & O-ring Assembly	\$22.25
1109004	Retaining Ring	\$4.25
88014201	Dust Seal	\$8.75
88014401	Screw Adjuster 1.0"	\$13.25
88017102	Spool & O-ring Assembly, Roller Tip	\$28.75
88112001	Actuator - Offset	\$32.00
90012	880-150-01 Service Kit	\$41.00
90055	880-150-02 Service Kit	\$66.25
90056	880-150-03 Service Kit	\$52.25

**Three-Way Air Interlock Valves**

Model	Description	List
88011301	Screw Adjustor Assembly 1.5" Button	\$21.00
88015001	Three-way Air Interlock Valve	\$104.75
88015002	Three-way Air Interlock Valve, Roller Tip	\$128.25
88015003	Three-way Air Interlock Valve, Offset Actuator	\$133.75

**Six-Way Air Interlock Valves Parts List**

Model	Description	List
88014501	Plug - Nut	\$9.75
88014801	Spring	\$3.00
88025801	Spool & O-ring Assembly	\$29.50
1109004	Retaining Ring	\$4.25
88014201	Dust Seal	\$8.75

**Six-Way Air Interlock Valves**

Model	Description	List
88025601	1/4" - 1" Button Six-way Air Valve	\$143.50
88025602	1/4" - 1" Roller Tip Six-way Air Valve	\$190.00
88025603	1/4" - 1" Duckfoot Six-way Air Valve	\$174.50
90020	Service kit for 880-256-01	\$73.00
90059	Service kit for 880-256-02	\$76.25

**Air Interlock with Limit Switch Parts List**

Model	Description	List
88115601	Air Valve Assembly	\$99.25
1102104	*Nut - Hex Jam	\$3.00
88115501	*Adapter - Valve to Switch	\$18.50
1100325	O-ring	\$2.00
1121902	Limit Switch	\$77.25
90012	Service Kit for 880-155-01	\$41.00

\* Note: These items are components of Air Valve Assembly 881-156-01

**Air Interlock with Limit Switch**

Model	Description	List
88015501	¼" - 1" Button with Limit Switch	\$216.50
88015502	¼" - 1" Roller Tip with Limit Switch	\$237.25

**Gravity Drop Adapters**
**Female Gravity Drop Adapter Parts List**

Model	Description	List
1112507	Groove Pin	\$4.50
77411603	Cam Arm & Ring Assembly	\$15.25
1111001	S-Hook	\$3.00
88011502	Double Loop Chain	\$4.25
88020601	Gasket	\$12.25
77420204	Gasket	\$9.75

**Female Gravity Drop Adapter**

Model	Description	List
88033001	Female Gravity Drop Adapter	\$187.50
88020601	Gasket - API End	\$12.25
77420204	Gasket - Hose End	\$9.75

**Male Gravity Drop Adapter Part List**

Model	Description	List
88020601	Rubber Gasket	\$12.25
88041201	4" Drop Adapter - Body Only	\$88.25
1112507	Groove Pin	\$4.50
77411603	Cam Arm & Pull Ring Assembly	\$15.25
88011502	Double Loop Chain	\$4.25
1111001	S-Hook	\$3.00

**Male Gravity Drop Adapter**

Model	Description	List
88041001	3" Male Cam & Groove	\$149.00
88041101	4" Male Cam & Groove	\$134.75
88020601	Gasket - API End	\$12.25

**Vapor Check Valves**
**Threaded Vapor Check Valve Parts List**

Model	Description	List
30030502	Vapor Recovery Adapter - 3" N.P.S.M.	\$87.25
30030202	Vapor Recovery Adapter - 4" N.P.S.M.	\$91.75
30030532	Vapor Recovery Adapter - 3" B.S.P.P.	\$88.25
1103915	O-ring	\$5.75
30020301	Poppet	\$9.00
30010501	Spring - Poppet	\$5.75
30020501	Guide - Poppet Stem	\$6.25
1109002	Retaining Ring	\$8.75
77020102	3" Gasket Cover	\$7.50
77020103	4" Gasket Cover	\$7.00

**Threaded Vapor Check Valve**

Model	Description	List
30130001	3" N.P.S.M. Vapor Recovery Adapter, with Poppet	\$125.75
30130002	4" N.P.S.M. Vapor Recovery Adapter, with Poppet	\$125.75
30130003	3" BSPP Vapor Recovery Adapter, with Poppet	\$125.75
30333303	3" N.P.S.M. Vapor Recovery Adapter, no Poppet	\$95.25
30344404	4" N.P.S.M. Vapor Recovery Adapter, no Poppet	\$97.25

**Flanged Vapor Check Valve Parts List**

Model	Description	List
1109002	Retaining Ring	\$8.75
30020501	Poppet Stem Guide	\$6.25
30010501	Poppet Stem Guide	\$5.75
30020301	4" Poppet Vapor Recovery Adapter	\$9.00
1101002	Pipe Plug	\$5.25
1121504	Sight Glass	\$22.75
1103915	O-ring	\$5.75

**Flanged Vapor Check Valve**

Model	Description	List
30230011	Flanged Vapor Check Valve with Sight Glass	\$280.25
30230012	Flanged Vapor Check Valve without Sight Glass	\$198.50

**Vapor Caps**
**Vapor Caps Parts List 304-200-01, -02, -04, -05**

Model	Description	List
1102409	Spirol Pin	\$2.25
30411201	Handle Assembly	\$18.00
30430501	Vapor Recovery Cover	\$12.75

**Vapor Caps Parts List 304-301-02**

Model	Description	List
95021501	Gasket	\$10.50
30430601	Aluminum Body Cover	\$27.75
1102403	Spiral Pin	\$4.75
30430101	Cover Assembly	\$81.00

**Vapor Caps**

Model	Description	List
30420006	Vapor Cap without Chain, glass filled PBT, AGB	\$60.00
30420007	Vapor Cap with Chain , glass filled PBT, AGB	\$63.00
30430103	Vapor Cap without Chain, aluminum, AGB	\$81.00
30430104	Vapor Cap with Chain, aluminum, AGB	\$84.00

**Vapor Return Hose Couplers Parts List**

Model	Description	List
77432002	774-CV 4" x 3" Assembly	\$220.50
77432003	774-CV 4" x 4" Assembly	\$220.50
77411201	Probe	\$10.00
77420203	3" Gasket	\$9.50
77420204	4" Gasket	\$9.75
1112507	Groove Pin	\$4.50
77411603	Cam & Ring Assembly	\$15.25

**Air-Operated Sequential Vapor Valve Parts List**

Model	Description	List
1103403	Square Cut Seal Ring	\$6.25
88034401	Sequential Vapor Valve Body Assembly	\$275.75
1100326	O-ring	\$5.75
88026701	Mounting Assembly Flange	\$91.75

**Air-Operated Sequential Vapor Valve**

Model	Description	List
88034101	Flanged without Hood for 16" Manhole	\$330.75
88034201	Threaded without Hood for 20" Manhole	\$330.75
88034301	Flanged with Hood for 16" Manhole	\$460.00
88034401	Vent Valve Only	\$275.75
88034501	Threaded with Hood for 20" Manhole	\$437.00

**Hose Tube Doors**

Model	Description	List
78430003	6" Plain Door	\$77.25
78440003	8" Plain Door	\$92.75

**Product Drop Elbows**

Model	Description	List
88049301	Product Elbow Dual Point - No Adapter	\$742.25
88049302	4" Cam and Groove Adapter with Sight Glass 21" tall	\$846.00
88049303	3" Cam and Groove Adapter with Sight Glass	\$840.50
88049304	4" NPT Adapter with Sight Glass	\$751.25
88049305	3" NPT Adapter with Sight Glass	\$689.25

**Product Drop Elbow Parts List**

Model	Description	List
88013601	Rear Arm Assembly	\$75.25
88013901	Connecting Link	\$24.50
88048201	Operating Handle	\$82.75
88013501	Front Arm Assembly	\$73.00
88015101	Sight Tube Spacer	\$9.00
88016201	Sight Tube	\$63.00
88014001	Sight Glass Seal	\$9.75
88028401	4" Dia. Coupling Adapter	\$77.25
88039601	3" Cam & Groove Adapter	\$73.00
88028901	4" NPT Adapter	\$80.75
88039701	3" NPT Adapter	\$71.75
1119001	Wave Spring	\$5.25
88013801	Connecting Pin	\$12.75
88014901	Shoulder Spacer	\$13.25
1119601	Screw - 3/8-16 x 1.5" Hex Socket	\$7.00
88013802	Connecting Pin	\$12.75
1118801	High Alloy Groove Pin	\$3.00
1118601	Flanged Bushing	\$7.25
88012101	Cam Assembly Insert	\$55.25
88014101	Seal	\$9.75

**Product Drop Elbow**

Model	Description	List
88045001	Body Only	\$544.75
88045501	4" Male Cam & Groove with S.G.	\$743.25
88045502	3" Male Cam & Groove with S.G.	\$743.25
88045504	3" Male NPT with S.G.	\$594.50
88045505	4" Male NPT with S.G.	\$586.75

**Product Drop Elbow Parts List**

Model	Description	List
88045901	Product Elbow Body	\$434.25
88023701	Product Elbow Handle	\$25.00
1130801	Product Elbow Seal	\$9.75
1108605	Pin Spirol	\$5.75
88031001	Locking "Right" Cam	\$70.75
88023801	Handle Block	\$51.00
88031002	Locking "Left" Cam	\$69.75
88014001	Sight Tube Seal	\$9.75
88016201	Sight Tube	\$63.00
88028401	4" Cam & Groove Adapter	\$77.25
88015101	Sight Tube Spacer	\$9.00
88039601	3" Cam & Groove Adapter	\$73.00
88024701	Adapter Flange Gasket	\$6.75
88039701	3" NPT Adapter	\$71.75

**Dual Point Vapor Recovery Elbow**

Model	Description	List
88046001	Body Only	\$481.00
88046501	3" Male Cam & Groove Adapter	\$543.75
88046502	3" Male NPT Adapter	\$477.50

**Dual Point Vapor Recovery Elbow Parts List**

Model	Description	List
1117012	# 10 - 24 x 1/2" Socket Head Cap Screw	\$2.00
88024601	Handle Retainer Block	\$11.75
88039101	Vapor Elbow Locking Bar	\$36.50
1112607	Grooved (Straight) Pin	\$7.75
87020001	Elbow Seal	\$41.00
88024501	Locking Cam	\$12.75
1112601	Grooved (Straight) Pin	\$6.75
88024701	Adapter Flange Gasket	\$6.75
88039601	3" Coupling Adapter	\$73.00
88039701	3" NPT Adapter	\$71.75

**Coaxial Delivery Elbow**

Model	Description	List
88049001	Over and Under Tall 4" × 3" Cam & Groove	\$1,319.00
88049003	Over and Under Tall 4" NPT 3" Cam & Groove	\$1,352.00

**Coaxial Delivery Elbow Parts List**

Model	Description	List
88038001	Flanged, Coaxial Elbow	\$132.50
88048201	Operating Handle	\$82.75
88028101	Adaptor Gasket - 3"	\$19.25
88022901	Vapor Outlet Block Off Plate	\$21.75
88028201	Top Gasket	\$32.25
1100403	Rollpin - 1/8" × 1"	\$3.25
88013802	Connecting Pin	\$12.75
88013801	Connecting Pin	\$12.75
1119001	Wave Spring	\$5.25
1119601	Screw - 3/8", 16 × 1/2" Hex Socket	\$7.00
88014901	Shoulder Spacer	\$13.25
88014701	Shoulder Spacer	\$5.00
88028501	Fuel Connection Adapter	\$77.25
88014101	Coaxial Elbow Seal	\$9.75
88014601	Fuel Connection Seal	\$45.50
88013601	Rear Arm Assembly	\$75.25
88013501	Front Arm Assembly	\$73.00
88012101	Cam Assembly Insert	\$55.25
88013902	Long Connecting Link	\$23.50
88039601	Cam & Groove 3" Adapter	\$73.00
88028401	Cam & Groove 4" Adapter	\$77.25
88016201	Sight Tube	\$63.00
88015101	Sight Tube Spacer	\$9.00
88014001	Sight Tube Seal	\$9.75
88024701	Adapter Flange Gasket	\$6.75
88028901	4" NPT Adapter	\$80.75
88039701	3" NPT Adapter	\$71.75

**Attachments**
**Gasket Kit**

Model	Description	List
88024801	Delivery elbow replacement gasket kit	\$15.75

**Sight Glass Kit**

Model	Description	List
88024901	Delivery elbow replacement sight glass kit	\$45.50

**3" Cam & Groove Adapter**

Model	Description	List
88039601	Delivery elbow replacement 3" cam & groove adapter	\$73.00

**4" Cam & Groove Adapter**

Model	Description	List
88028401	Delivery elbow replacement 3" cam & groove adapter	\$77.25

**3" NPT Male Adapter**

Model	Description	List
88039701	Delivery elbow replacement 3" cam & groove adapter	\$71.75

**4" NPT Male Adapter**

Model	Description	List
88028901	Delivery elbow replacement 3" cam & groove adapter	\$80.75

**Cam and Groove Adapters**

Model	Description	List
77421220	2" Cam and Groove Dust Cap	\$27.50
77421240	4" Cam and Groove Dust Cap	\$49.75

**Emergency Valves**
**Mechanically Operated 90 Degree Emergency Valve (Victaulic™) Parts List**

Model	Description	List
88042801	Emergency Valve Victaulic™ 4" Body	\$271.50
1135801	3/16" SYN PTFE Packing	\$9.00
1103920	O-ring FLC #2-114	\$5.75
1109008	Spirol Retaining Ring	\$4.25
88024101	Cam Shaft	\$28.50
88024201	Stuffing Box Nut	\$22.75
88026401	Emergency Valve Retainer Assembly	\$101.75
1135701	Poppet Spring	\$9.00
88026301	Poppet Assembly	\$144.75
88023301	Cam	\$45.50
88026501	Cam Lever Assembly	\$69.75
1138801	Emergency Valve Sump Gasket	\$12.25

Victaulic™ is a trademark of Victaulic Company of America.

**Mechanically Operated 90 Degree Emergency Valve (Victaulic™)**

Model	Description	List
88043001	4" Standard Victaulic™ Outlet Seal	\$581.25

Victaulic™ is a trademark of Victaulic Company of America.

**Mechanically Operated 90 Degree Emergency Valve (Flanged) Parts List**

Model	Description	List
88042901	Emergency Valve Flanged 4" Body	\$381.75
1135801	3/16" SYN PTFE Packing	\$9.00
1103920	O-ring FLC #2-114	\$5.75
1109008	Spirol Retaining Ring	\$4.25
88024101	Cam Shaft	\$28.50
88024201	Stuffing Box Nut	\$22.75
88026401	Emergency Valve Retainer Assembly	\$101.75
1135701	Poppet Spring	\$9.00
88026301	Poppet Assembly	\$144.75
88023301	Cam	\$45.50
88026501	Cam Lever Assembly	\$69.75
1138801	Emergency Valve Sump Gasket	\$12.25

**Mechanically Operated 90 Degree Emergency Valve (Flanged)**

Model	Description	List
88043101	4" Standard Flanged Outlet Seal	\$585.75

**Air Assisted 90 Degree Emergency Valve (Victaulic™) Parts List**

Model	Description	List
88035002	Emergency Valve Air Cylinder	\$242.75
88042901	4" Victaulic™ Emergency Valve Body	\$381.75
1135801	3/16" SYN PTFE Packing	\$9.00
1103920	O-ring FLC #2-114	\$5.75
1109008	Spirol Retaining Ring	\$4.25
88024101	Cam Shaft	\$28.50
88024201	Stuffing Box Nut	\$22.75
88026401	Emergency Valve Retainer Assembly	\$101.75
1135701	Poppet Spring	\$9.00
88026301	Poppet Assembly	\$144.75
1138801	Emergency Valve Sump Gasket	\$12.25
88023301	Cam	\$45.50
88026501	Cam Lever Assembly	\$69.75
1152601	Fusible Metal Pipe Plug, 1/8-27" NPT	\$17.50
1149401	Male Push-on Hose Fitting	\$6.75
88015901	Rubber Hose - Push-on Fitting	\$3.25

Victaulic™ is a trademark of Victaulic Company of America.

**Air Assisted 90 Degree Emergency Valve (Victaulic™)**

Model	Description	List
88043201	4" Standard Victaulic™ Outlet Seal with External Air Cylinder	\$800.75

Victaulic™ is a trademark of Victaulic Company of America.

**Air Assisted 90 Degree Emergency Valve (Flanged) Parts List**

Model	Description	List
88035002	Air Cylinder	\$242.75
88042801	4" Flanged Emergency Valve Body	\$271.50
1135801	3/16" SYN PTFE Packing	\$9.00
1103920	O-ring FLC #2-114	\$5.75
1109008	Spirol Retaining Ring	\$4.25
88024101	Cam Shaft	\$28.50
88024201	Stuffing Box Nut	\$22.75
88026401	Emergency Valve Retainer Assembly	\$101.75
1135701	Poppet Spring	\$9.00
88026301	Poppet Assembly	\$144.75
1138801	Emergency Valve Sump Gasket	\$12.25
88023301	Cam	\$45.50
88026501	Cam Lever Assembly	\$69.75
1152601	Fusible Metal Pipe Plug, 1/8-27" NPT	\$17.50
1149401	Male Push-on Hose Fitting	\$6.75
88015901	Rubber Hose - Push-on Fitting	\$3.25

**Air Assisted 90 Degree Emergency Valve (Flanged)**

Model	Description	List
88043301	4" Standard Flanged Outlet Seal with External Air Cylinder	\$819.50

**3" Emergency Valve**

Model	Description	List
88045601	Air Operated Valve	\$762.25
88044901	Cable Operated Valve	\$522.75

**Side Seal Adapter Parts List**

Model	Description	List
88120201	Seal	\$33.25
88110301	Release Lever Spring	\$3.50
88120100	Release Lever Interlock	\$10.00
1145901	Pin, 0.125 x 0.875", Groove Type "E"	\$2.25
88120001	Release Lever	\$33.25

**Side Seal Adapter**

Model	Description	List
88044501	Side Seal Adapter	\$200.00

**Bulk Pneumatic Pressure Relief Valves**

Model	Description	List
88122601	2" Female Pressure Relief Valve - 20 lbs.	\$342.00

**Optic Control System**
**Two-Wire Controller**

Model	Description	List
89040002	Controller Mounted in Waterproof Housing	\$1,037.75
89020002	Control Module Only	\$894.50

**Two-Wire Optic Overfill Probes**

Model	Description	List
89011001	Two-Wire Optic Overfill Probe. 8"	\$226.25

**Probe Holder Solutions**

Model	Description	List
90826202	Probe Holder with 2" NPT Male Thread, Tall Cap	\$214.00
90826301	Probe Holder with 2" Cast Lock Nut	\$202.00
90820801	Tall Probe Holder Cover	\$65.25
89025702	Probe Holder with Probe Kit	\$413.50

**Single Socket Solutions**

Model	Description	List
90821101	Thermistor Socket with Plastic Cap	\$246.00
90822101	Optic Socket with Plastic Cap	\$212.00
90811901	Plastic Cap Only	\$33.25
90811001	Thermistor Conversion Kit	\$145.75
90812001	Optic Conversion Kit	\$121.50

**OCS Installation Kits**

Model	Description	List
89016202	2 Compartment Kit	\$1,823.75
89016203	3 Compartment Kit	\$2,477.50
89016204	4 Compartment Kit	\$2,916.25

**Wiring Kits**

Model	Description	List
90831301	Three Compartment Wiring Kit	\$381.75
90831401	Four Compartment Wiring Kit	\$389.50
90831501	Five Compartment Wiring Kit	\$412.50
90831601	Six Compartment Wiring Kit	\$427.00
90813101	Watertight Fitting Only	\$7.00
90813206	100' Seven Conductor Cable Only	\$330.75
90813203	25' 7-CON cable	\$88.25



### **EVO™ 550 and EVO™ 5000 Ordering Guide**

ATG model, software and hardware options can be listed separately or combined when ordering. Systems shipped from the factory will list the combined part number. Complete ATG part numbers have a specific order and are created using the following guidelines:

#### **EVO™ 550 and EVO™ 5000**

##### **TX DPMIE / TRLSC**

##### **TX = Base Model Options**

T550E = EVO™ 550 base ATG

T5000E = EVO™ 5000 base ATG

##### **DPMIE = Hardware Options** (choose all that apply)\*

D = Display

P = Printer

M = Internal modem

I = Dispenser interface module

E = LON module

##### **TRLSC = Software Options** (choose all that apply)\*

T = SCALD 24-hour tank testing

R = Reconciliation/Autocalibration

L = Line leak detection

S = Secondary containment monitoring

C = Recirculation, scheduling, and timer conditions

\*Only one EVO-DIM or EVO-LON module can be installed per ATG.

**EVO™ 550 Automatic Tank Gauges**

Model	Description	List
T550E	EVO™ 550 base model ATG without a display or printer	\$5,525.00
T550ED	EVO™ 550 base model ATG with display	\$5,856.00
T550EDP	EVO™ 550 base model ATG with display and printer	\$6,673.00

**EVO™ 5000 Automatic Tank Gauges**

Model	Description	List
T5000E	EVO™ 5000 base model ATG without a display or printer	\$5,604.00
T5000ED	EVO™ 5000 base model ATG with display	\$5,997.00
T5000EDP	EVO™ 5000 base model ATG with display and printer	\$6,833.00

**Internal Hardware Options**

Model	Description	List
TS-MDMIB	(M) Internal modem, includes fax and data software capability	\$928.00
EVO-DIMIB	(I) Internal dispenser interface module, dispenser interface cable must be ordered separately	\$1,340.00
EVO-LON	(E) LON™ communication module, IFSF protocol capability	\$928.00

Note: Only one EVO-DIMIB or EVO-LON module can be installed per console.

Lon™ is a trademark of Echelon Corporation.

**EVO™ 550 and EVO™ 5000 Internal Software Options**

Model	Description	List
TS-TT	(T) SCALD 24-hour tank testing	\$1,264.00
TS-TRAC	(R) Reconciliation/autocalibration software	\$925.00
TS-ELLD	(L) Electronic line leak detection	\$1,287.00
TS-SCM	(S) Secondary containment monitoring	\$1,340.00
TS-CON	(C) DEF/AdBlue® recirculation, scheduling, and timer conditions	\$1,219.00

**Expansion Consoles**

Model	Description	List
EVO-EXPC	Secondary console to add eleven additional plug-in modules to the primary EVO™ 550 ATG, comes without a display or printer	\$3,954.00
EVO-EXPC2	Secondary console to add six additional plug-in modules to the primary EVO™ 550 ATG, comes without a display or printer	\$3,402.00

**EVO™ 550 & EVO™ 5000 Accessories**
**EVO™ 550 & EVO™ 5000 ATG Interface Modules**
**Intrinsically Safe Modules**

Model	Description	List
TS-PRB	12 input probe module, LL2 and LL3 Series Mag probes, VFM flow meters and DMS Mag sensors	\$985.00
TS-2WSNS	12 input 2-wire sensor module, FMP-ULS, FMP-UHS, TSP-HLS, and FMP-HFS sensors	\$1,030.00
TS-3WSNS	8 input 3-wire sensor module, FMP-EIS, FMP-DIS, FMP-DDS, FMP-DTS, FMP-HIS, TSP-MWS and TSP-DVS sensors. Can also support 2-wire sensors (FMP-EIS-U, FMP-DIS-U, FMP-DDS-U, FMP-DTS-U, FMP-HIS-U)	\$1,174.00
TS-420IB	8 input 4-20 mA module, LSU500 transducers and VPS and SCCM pressure sensors	\$1,030.00

**Non-Intrinsically Safe Modules**

Model	Description	List
TS-ACI	12 input AC input module, dispenser hook inputs	\$985.00
TS-RLY	8 output 2 Amp relay module, SCCM solenoid and STP control	\$994.00
TS-10ARLY	6 output 10 Amp relay output module, dispenser power	\$660.00
TS-IO	Input output module, 4 output 4-20 mA, 8 input 3-240 VAC/DC	\$1,030.00
TS-420EXP	8 input 4-20 mA module, LSU500E transducers and external devices	\$1,030.00

Note: TS-RLY Module is not required for STP control when utilizing turbine pump interface (TPI) communications.

The TS-420EXP module requires Controller Module software version 9.5 or greater.

Do not include Power Supply and Controller Module when calculating total modules allowed.

**TS-LS500 AutoLearn™ with Statistical Line Leak Detection**
**Intrinsically Safe**

Model	Description	List
TS-LS500/1	1-line transducer kit	\$761.00
TS-LS500/2	2-line transducer kit	\$1,478.00
TS-LS500/3	3-line transducer kit	\$2,166.00
TS-LS500/4	4-line transducer kit	\$2,849.00

Note: Using turbine pump interface (TPI) communications eliminates the need for a TS-RLY module; FFS intelligent controllers required.

**Explosion Proof**

For retrofit installations where only a high voltage conduit can be used. Use TS-420EXP module.

Model	Description	List
TS-LS500E/2	2-line transducer kit, explosion proof	\$1,478.00
TS-LS500E/3	3-line transducer kit, explosion proof	\$2,166.00

Note: Using turbine pump interface (TPI) communications eliminates the need for a TS-RLY module; FFS intelligent controllers required.

**Alternative Fuels Accessories**

Model	Description	List
TS-AFALNIP	Leak generator needle valve kit required for E85 installations	\$105.00

**Dispenser Interface Module Cables**

Model	Description	List
TSP-WDCBL	Wayne™ cable	\$140.00
TSP-TDCBL	Tokheim™ cable	\$259.00
TSP-GDCBL	Gilbarco™ cable	\$313.00
TSP-GSDCBL	Gilbarco™ G-Site™ cable	\$180.00
TSP-BDCBL	Bennett® 515 only cable	\$226.00

Bennett® is a registered trademark of Bennett Pump Company. Wayne™ and Tokheim™ are trademarks of Dover.

Gilbarco™ and G-Site™ are trademarks of Gilbarco Inc.

**Paper Supplies**
**Thermal Printer Supplies**

Model	Description	List
TS-TP2	One box of 5 rolls thermal printer paper for EVO™ 550 and EVO™ 5000	\$58.00
TS-TP2C	One case (100 rolls) of thermal printer paper for EVO™ 550 and EVO™ 5000	\$663.00

**Secondary Containment Monitoring**
**Control Modules**

Model	Description	List
TS-SCCM/1	Single channel secondary containment control module	\$1,315.00
TS-SCCM/2	Dual channel secondary containment control module	\$2,344.00
TS-SCMCAL	Leak generator kit, one per station	\$96.00
VS-SCCM/1	220 VAC single channel secondary containment control module	\$1,315.00
VS-SCCM/2	220 VAC dual channel secondary containment control module	\$2,344.00

**Installation Kit**

Model	Description	List
TSP-SCLSI	Product, vapor line and sump containment install kit	\$175.00
TSP-SCTK2	Tank containment install kit for 2" NPT risers, in-tank hose sold separately	\$175.00
TSP-SCTK2B	Tank containment install kit for 2" BSP risers, in-tank hose sold separately	\$175.00
TSP-SCTK4	Tank containment install kit for 4" NPT risers, in-tank hose sold separately	\$194.00
TSP-SCTK4B	Tank containment install kit for 4" BSP risers, in-tank hose sold separately	\$194.00

**Accessories**

Model	Description	List
TSP-SCBRB	Five 1/4" NPT barbed fittings	\$26.00
TSP-SCBRBT	1/4" NPT barbed T-fitting	\$20.00
TSP-SCCLP	Five hose clamps	\$80.00
TSP-SCTB25	25' hose	\$89.00
TSP-SCTB50	50' hose	\$153.00
TSP-SCTB100	100' hose	\$293.00
TSP-SCVLV	Five Schraeder valves	\$89.00
400137937	Syphon check valve	\$78.00

**Upgrading Installed Fuel Management System ATGs****Software Version Upgrade Only**

Model	Description	List
TSA-UPGMS	Software version upgrade shipped on a USB memory stick	\$140.00

### EVO™ 200 and EVO™ 400 Ordering Guide

ATG model, hardware, and software options should be combined when ordering. Complete part numbers have specific order and are created using the following guidelines. A complete list of all available configurations is shown for convenience.

#### EVOX DW - TR

##### EVOX = Base Model Options

EVO200 = EVO™ 200 base model, up to 6 channels

EVO400 = EVO™ 400 base model, up to 14 channels

##### DW = Hardware Options (choose all that apply)

D = Display (color LCD touch screen)

W = Wifi

##### TR = Software Options (choose all that apply)

T = SCALD 24-hour tank testing

R = Reconciliation/Autocalibration

Example: EVO400DW-TR = EVO™ 400 base model, up to 14 channels with display, with Wifi, with SCALD, and with reconciliation/autocalibration.

#### EVO™ 200 Automatic Tank Gauges

Model	Description	List
EVO200D	EVO 200™ ATG with display	\$2,300.00
EVO200W	EVO 200™ ATG with Wifi	\$2,724.00
EVO200DW	EVO 200™ ATG with display, Wifi	\$2,928.00
EVO200-T	EVO 200™ ATG with SCALD 24-hour tank testing	\$3,359.00
EVO200-R	EVO 200™ ATG with Reconciliation/Autocalibration	\$3,020.00
EVO200-TR	EVO 200™ with SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$4,284.00
EVO200D-T	EVO 200™ ATG with display, SCALD 24-hour tank testing	\$3,564.00
EVO200D-R	EVO 200™ ATG with display, Reconciliation/Autocalibration	\$3,225.00
EVO200D-TR	EVO 200™ ATG with display, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$4,489.00
EVO200W-T	EVO 200™ ATG with Wifi, SCALD 24-hour tank testing	\$3,988.00
EVO200W-R	EVO 200™ ATG with Wifi, Reconciliation/Autocalibration	\$3,649.00
EVO200W-TR	EVO 200™ ATG with Wifi, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$4,913.00
EVO200DW-T	EVO 200™ ATG with display, Wifi, SCALD 24-hour tank testing	\$4,193.00
EVO200DW-R	EVO 200™ ATG with display, Wifi, Reconciliation/Autocalibration	\$3,854.00
EVO200DW-TR	EVO 200™ ATG with display, Wifi, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$5,118.00
Note: An external printer must be ordered separately (see following page for ordering information).		

**EVO™ 400 Automatic Tank Gauges**

Model	Description	List
EVO400D	EVO 400™ ATG with display	\$3,612.00
EVO400W	EVO 400™ ATG with Wifi	\$4,036.00
EVO400DW	EVO 400™ ATG with display, Wifi	\$4,241.00
EVO400-T	EVO 400™ ATG with SCALD 24-hour tank testing	\$4,671.00
EVO400-R	EVO 400™ ATG with Reconciliation/Autocalibration	\$4,332.00
EVO400-TR	EVO 400™ with SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$5,597.00
EVO400D-T	EVO 400™ ATG with display, SCALD 24-hour tank testing	\$4,876.00
EVO400D-R	EVO 400™ ATG with display, Reconciliation/Autocalibration	\$4,537.00
EVO400D-TR	EVO 400™ ATG with display, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$5,801.00
EVO400W-T	EVO 400™ ATG with Wifi, SCALD 24-hour tank testing	\$5,300.00
EVO400W-R	EVO 400™ ATG with Wifi, Reconciliation/Autocalibration	\$4,961.00
EVO400W-TR	EVO 400™ ATG with Wifi, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$6,225.00
EVO400DW-T	EVO 400™ ATG with display, Wifi, SCALD 24-hour tank testing	\$5,585.00
EVO400DW-R	EVO 400™ ATG with display, Wifi, Reconciliation/Autocalibration	\$5,166.00
EVO400DW-TR	EVO 400™ ATG with display, Wifi, SCALD 24-hour tank testing, Reconciliation/Autocalibration	\$6,510.00

Note: An external printer must be ordered separately. See below for ordering information.

**EVO™ 200 & EVO™ 400 Hardware & Software Field Upgrades**

EVO™ 200 & EVO™ 400 ATGs come standard with the ability to perform in-tank static leak detection. The following software and hardware options can be added to customize your ATG once it's been installed in the field

**Internal Hardware Field Upgrades**

Model	Description	List
FMP-LCD	(D) Display (color LCD touch screen)	\$320.00
FMP-WIFI	(W) Wifi	\$786.00

**Internal Software Field Upgrades**

Model	Description	List
TS-TT	Statistical Continuous Automatic Leak Detection, 24 hour continuous tank testing software	\$1,264.00
TS-TRAC	Tank inventory reconciliation and autocalibration	\$925.00

**External Printer**

Model	Description	List
FMP-ETP	External printer, includes USB cable, power cord, one roll of thermal printer paper, and wall mount hardware	\$419.00
FMP-EPPC	Case of 25 thermal printer paper rolls	\$131.00

### TS-EMS Environmental Monitoring System Ordering Guide

The TS-EMS environmental monitoring system comes standard with display, printer and dispenser interface module. An internal TS-MDMIB modem can be added as a hardware option. Order the TEMSDPI/VS if the secondary containment monitoring software option is required.

#### TS-EMS Environmental Monitoring System

Model	Description	List
TEMSDPI/V	TS-EMS console with display, printer, DIM, VRM software and one TS-PRB, TS-420IB and TS-10ARLY	\$9,634.00
TEMS2DPI/V	TS-EMS console with display, printer, DIM, VRM software, one TS-PRB and TS-420IB, and two TS10ARLY	\$10,309.00
TEMS3DPI/V	TS-DTU ready TS-EMS console with display, printer, DIM, VRM software, and one TS-10ARLY module	\$7,839.00
TEMSDPI/VS	TS-EMS console with display, printer, DIM, VRM and SCM software, and one TS-PRB, TS-420IB and TS-10ARLY	\$10,574.00
TEMS2DPI/VS	TS-EMS console with display, printer, DIM and SCM software, one TS-PRB and TS-420IB, and two TS-10ARLY	\$11,555.00

Notes: 1. Appropriate DIM cable must be ordered separately.

2. TEMS and TEMS3 systems can support up to six dispensers. TEMS2 systems can support up to twelve dispensers. All models can be expanded to support up to 16 dispensers with additional modules.

3. The appropriate number of TS-VFM vapor flow meters and one TS-VPS vapor pressure sensor must be ordered separately to perform vapor recovery monitoring.

4. TS-ACI modules and hook signal wiring are only required for balance site installs.

5. To receive the correct software version customers must provide the CARB Executive Order to be followed on the TEMS.

#### TS-EMS Console Hardware and Software Options

##### Internal Hardware Options

Model	Description	List
TS-MDMIB	(M) Internal modem, includes fax and data software capability	\$928.00

##### Internal Software Options

Model	Description	List
TS-SCM	(S) Secondary containment monitoring	\$1,340.00

#### TS-EMS Fuel Management System Console Interface Modules

##### Intrinsically Safe Modules

Model	Description	List
TS-PRB	12 input probe module, VFM flow meters	\$985.00
TS-420IB	8 input 4-20 mA module, VPS and SCCM pressure sensors	\$1,030.00

**Non-Intrinsically Safe Modules**

Model	Description	List
TS-RLY	8 output relay module, low power dispensers and SCCM solenoids	\$994.00
TS-10ARLY	6 output 10 Amp relay output module, high power dispensers and SCCM solenoids	\$660.00

**External Modules**

Model	Description	List
TS-DTU/P	Data transfer unit for wired-less VFM and VPS communications	\$1,434.00

Note: Order one TS-DTU/P and one TS-DRK/x install kit per dispenser. Order one additional TS-DTU/P for the console.

**Dispenser Interface Module Cables**

Model	Description	List
TSP-WDCBL	Wayne™ cable	\$140.00
TSP-TDCBL	Tokheim™ cable	\$259.00
TSP-GDCBL	Gilbarco™ cable	\$313.00
TSP-GSDCBL	Gilbarco™ G-Site™ cable	\$180.00
TSP-BDCBL	Bennett® 512 cable	\$226.00

Bennett® is a registered trademark of Bennett Pump Company. Wayne™ and Tokheim™ are trademarks of Dover.

Gilbarco™ and G-Site™ are trademarks of Gilbarco Inc.

**In-Station Diagnostics (ISD)**

Model	Description	List
TS-VFM	Vapor flow meter, one per dispenser	\$1,923.00
TS-VPS	Vapor pressure sensor, one per site	\$1,487.00
VRMEO202	Vapor recovery monitoring software (Vac Assist)	\$5,489.00
VRMEO204	Vapor recovery monitoring software (Balance)	\$5,489.00
TS-DTU/P	Data transfer unit for wireless VFM and VPS communications	\$1,434.00
TS-DRK/A	Gilbarco™ Advantage dispenser retrofit install kit	\$161.00
TS-DRK/E	Gilbarco™ Encore™ dispenser retrofit install kit	\$161.00
TS-DRK/T	Tokheim™ dispenser retrofit install kit	\$161.00
TS-DRK/W	Wayne™ dispenser retrofit install kit	\$161.00

Notes: 1. Approved by California Air Resources Board EO VR-202 & VR-204

2. Minimum module requirements include one TS-PRB, TS-420IB, TS-RLY or TS-10ARLY.

3. TS-VRM software is included in the TS-EMS console.

4. Order one TS-DTU/P and one TS-DRK/x install kit per dispenser. Order one additional TS-DTU/P for the console. Controller Module software 9.5 or greater required.

5. Consoles using the wireless option do not require the TS-PRB or TS-420IB modules for communication with the TS-VFM and TS-VPS

6. TS-ACI modules and hook signal wiring are only required for balance site applications.

7. Please supply the EO the site will be installed under.

Wayne™ and Tokheim™ are trademarks of Dover.

Gilbarco™ and Encore™ are trademarks of Gilbarco Inc.

**Sump Testing**

Model	Description	List
TS-ST5-2K	Sump test system with two probes	\$17,091.00
TS-ST5-3K	Sump test system with three probes	\$18,929.00
TS-ST5-4K	Sump test system with four probes	\$20,767.00

**S940 Sensor Alarm Console**

Model	Description	List
S940	Four channel sensor alarm console	\$1,415.00

**TS-LS300 AutoLearn™**
**TS-LS300, 115 VAC 50/60 Hz Models**
**Intrinsically Safe**

For new installations where separate low voltage conduits can be used.

Model	Description	List
TS-LS300/2	2-line console with line calibration kit	\$3,129.00
TS-LS300/3	3-line console with line calibration kit	\$4,539.00
TS-LS300/4	4-line console with line calibration kit	\$5,949.00

Note: All AutoLearn™ models include the TPI turbine pump interface module.

**TS-LS300, 230 VAC 50/60 Hz Models**
**Intrinsically Safe**

For new installations where separate low voltage conduits can be used.

Model	Description	List
VS-LS300/2	2-line console with line calibration kit	\$3,099.00
VS-LS300/3	3-line console with line calibration kit	\$4,496.00
VS-LS300/4	4-line console with line calibration kit	\$5,893.00

Note: All AutoLearn™ models include the TPI turbine pump interface module.

**Interface Cable**

For connecting two AutoLearn™ consoles together

**Alternative Fuels Accessories**

Model	Description	List
TS-AFALNIP	Leak generator needle valve kit required for E85 installations	\$105.00

**Line Sentinel™**

Model	Description	List
TS-LLD/FE	Electronic line leak detector with an FE Petro installation adapter, one required for each submersible pump	\$2,018.00
TS-LLD/RJ	Electronic line leak detector with a Red Jacket™ installation adapter, one required for each submersible pump	\$2,018.00

Red Jacket™ is a trademark of Veeder-Root Company.

**Digital Leak Detection and Inventory Control Probes**
**Leak Detection Probes**

Model	Description	List
FMP-LL3-29	2' diameter tank probe	\$2,113.00
FMP-LL3-41	3' diameter tank probe	\$2,113.00
FMP-LL3-53	4' diameter tank probe	\$2,113.00
FMP-LL3-65	5' diameter tank probe	\$2,113.00
FMP-LL3-69	5'4" diameter tank probe	\$2,113.00
FMP-LL3-77	6' diameter tank probe	\$2,113.00
FMP-LL3-81	6'4" diameter tank probe	\$2,113.00
FMP-LL3-89	7' diameter tank probe	\$2,113.00
FMP-LL3-101	8' diameter tank probe	\$2,113.00
FMP-LL3-113	9' diameter tank probe	\$2,113.00
FMP-LL3-125	10' diameter tank probe	\$2,113.00
FMP-LL3-131	10'6" diameter tank probe	\$2,113.00
FMP-LL3-137	11' diameter tank probe	\$2,113.00
FMP-LL3-149	12' diameter tank probe	\$2,113.00

Notes: 1. FMP-LL3 probes are available in lengths up to 149 inches only. Custom probe lengths are available; contact factory for price and delivery.

2. These probes are used with all Franklin Fueling Systems ATG consoles.

3. Float kits must be ordered separately.

4. Comes with bottom mount hardware. For replacement hardware kits, order TSSP-BMKT.

**Inventory Control probes**

Model	Description	List
FMP-LL3-29-I	2' diameter tank probe	\$1,387.00
FMP-LL3-41-I	3' diameter tank probe	\$1,449.00
FMP-LL3-53-I	4' diameter tank probe	\$1,449.00
FMP-LL3-65-I	5' diameter tank probe	\$1,449.00
FMP-LL3-69-I	5'4" diameter tank probe	\$1,449.00
FMP-LL3-77-I	6' diameter tank probe	\$1,449.00
FMP-LL3-81-I	6'4" diameter tank probe	\$1,449.00
FMP-LL3-89-I	7' diameter tank probe	\$1,449.00
FMP-LL3-101-I	8' diameter tank probe	\$1,449.00
FMP-LL3-113-I	9' diameter tank probe	\$1,449.00
FMP-LL3-131-I	10'6" diameter tank probe	\$1,449.00
FMP-LL3-137-I	11' diameter tank probe	\$1,449.00
FMP-LL3-149-I	12' diameter tank probe	\$1,449.00

Notes: 1. FMP-LL3-I probes are available in lengths up to 149 inches only. Custom probe lengths are available; contact factory for price and delivery.

2. These probes are used with Franklin Fueling Systems ATGs.

3. Not for leak detection.

4. Float kits must be ordered separately.

5. Comes with bottom mount hardware. For replacement hardware kits, order TSSP-BMKT.

**Float Kits**

Model	Description	List
TSP-IDF2	2' float set for diesel tanks	\$300.00
TSP-IGF2	2' float set for gasoline tanks	\$300.00
TSP-IDF4	4' float set for diesel tanks	\$192.00
TSP-IGF4	4' float set for gasoline tanks	\$192.00
TSP-LPGF	2' float for LPG tanks, with or without isolation sleeve	\$400.00
TSP-SSP	2-1/16" OD, #316 stainless steel float for chemical applications only	\$400.00

Note: Order one float set for each LL3 Mag probe.

**Phase Separation Float Kits**

Model	Description	List
TSP-IGF2P	2' phase separation float kit for gasoline and up to E15	\$480.00
TSP-IGF4P	4' phase separation float kit for gasoline and up to E15	\$480.00

**Density Measurement**
**Standard**

Model	Description	List
TSP-IDF4D3	Standard diesel/fuel oil density float kit	\$650.00
TSP-IGF4D3	Standard gasoline density float kit	\$650.00

**Precision**

Model	Description	List
TSP-IDF4D	Precision diesel/fuel oil density float kit	\$973.00
TSP-IGF4D	Precision gasoline density float kit	\$973.00

Note: 1. Order one density measurement float kit for each magnetostriuctive probe. Probes used with density float kits must have serial numbers greater than 6000000.

2. Standard density float kits accuracy: 3 kg/m<sup>3</sup>

3. Precision density float kits accuracy: 1 kg/m<sup>3</sup>. Requires TSP-LL2 Leak Detection probes and suspension install kits.

**Probe Installation Kits**
**Bottom Mount Kits**

Model	Description	List
TSP-C2A	Inventory probe install kit for 2" risers	\$218.00
TSP-C2B	Inventory probe install kit for 2" risers with BSP threads	\$209.00
TSP-C4A	Inventory probe install kit for 4" risers	\$138.00
TSP-C4B	Inventory probe install kit for 4" risers with BSP thread	\$172.00

**Other Kits**

Model	Description	List
TSP-K4AS	#316 stainless steel mag probe install kit for 4" riser pipes	\$358.00
TSP-K4ASL	#316 SS mag probe install kit for 4" riser pipes and probes longer than 149"	\$358.00
TSP-LPGK	LPG probe install kit, 149" maximum LL3 probe length	\$542.00

Note: TSP-LPGK install kit is not needed when locally supplied tank isolation sleeve is utilized.

**Flex Probes**

Model	Description	List
FMP-FLX-4	4' flexible inventory probe	\$2,851.00
FMP-FLX-5	5' flexible inventory probe	\$2,851.00
FMP-FLX-6	6' flexible inventory probe	\$2,851.00
FMP-FLX-7	7' flexible inventory probe	\$2,851.00
FMP-FLX-8	8' Flexible inventory probe	\$2,851.00
FMP-FLX-9	9' flexible inventory probe	\$2,851.00
FMP-FLX-10	10' flexible inventory probe	\$2,851.00
FMP-FLX-11	11' flexible inventory probe	\$2,851.00
FMP-FLX-12	12' flexible inventory probe	\$2,851.00
FMP-FLX-13	13' flexible inventory probe	\$2,965.00
FMP-FLX-14	14' flexible inventory probe	\$2,965.00
FMP-FLX-15	15' flexible inventory probe	\$2,965.00
FMP-FLX-16	16' flexible inventory probe	\$2,965.00
FMP-FLX-17	17' flexible inventory probe	\$3,084.00
FMP-FLX-18	18' flexible inventory probe	\$3,084.00
FMP-FLX-19	19' flexible inventory probe	\$3,084.00
FMP-FLX-20	20' flexible inventory probe	\$3,084.00
FMP-FLX-21	21' flexible inventory probe	\$3,225.00
FMP-FLX-22	22' flexible inventory probe	\$3,226.00
FMP-FLX-23	23' flexible inventory probe	\$3,408.00
FMP-FLX-24	24' flexible inventory probe	\$3,408.00
FMP-FLX-25	25' flexible inventory probe	\$3,408.00
FMP-FLX-26	26' flexible inventory probe	\$3,518.00
FMP-FLX-27	27' flexible inventory probe	\$3,703.00
FMP-FLX-28	28' flexible inventory probe	\$3,703.00
FMP-FLX-29	29' flexible inventory probe	\$3,852.00
FMP-FLX-30	30' flexible inventory probe	\$3,852.00
FMP-FLX-31	31' flexible inventory probe	\$3,996.00
FMP-FLX-32	32' flexible inventory probe	\$3,996.00
FMP-FLX-33	33' flexible inventory probe	\$4,146.00
FMP-FLX-34	34' flexible inventory probe	\$4,278.00
FMP-FLX-35	35' flexible inventory probe	\$4,405.00
FMP-FLX-36	36' flexible inventory probe	\$4,554.00
FMP-FLX-37	37' flexible inventory probe	\$4,764.00
FMP-FLX-38	38' flexible inventory probe	\$4,976.00
FMP-FLX-39	39' flexible inventory probe	\$5,127.00
FMP-FLX-40	40' flexible inventory probe	\$5,271.00
FMP-FLX-41	41' flexible inventory probe	\$5,403.00
FMP-FLX-42	42' flexible inventory probe	\$5,403.00
FMP-FLX-43	43' flexible inventory probe	\$5,892.00
FMP-FLX-44	44' flexible inventory probe	\$6,015.00
FMP-FLX-45	45' flexible inventory probe	\$6,201.00

Continue on next page

**Flex Probes, Continued**

Model	Description	List
FMP-FLX-46	46' flexible inventory probe	\$6,376.00
FMP-FLX-47	47' flexible inventory probe	\$6,549.00
FMP-FLX-48	48' flexible inventory probe	\$6,802.00
FMP-FLX-49	49' flexible inventory probe	\$6,943.00
FMP-FLX-50	50' flexible inventory probe	\$8,674.00
FMP-FLX-52	52' flexible inventory probe	\$9,021.00
FMP-FLX-53	53' flexible inventory probe	\$9,675.00
FMP-FLX-54	54' flexible inventory probe	\$10,062.00
FMP-FLX-55	55' flexible inventory probe	\$10,464.00
FMP-FLX-56	56' flexible inventory probe	\$10,883.00
FMP-FLX-57	57' flexible inventory probe	\$11,318.00
FMP-FLX-58	58' flexible inventory probe	\$11,771.00
FMP-FLX-59	59' flexible inventory probe	\$12,242.00
FMP-FLX-60	60' flexible inventory probe	\$12,242.00
FMP-FLX-61	61' flexible inventory probe	\$13,241.00
FMP-FLX-62	62' flexible inventory probe	\$13,770.00
FMP-FLX-63	63' flexible inventory probe	\$14,252.00
FMP-FLX-64	64' flexible inventory probe	\$14,394.00
FMP-FLX-65	65' flexible inventory probe	\$14,970.00
FMP-FLX-66	66' flexible inventory probe	\$15,415.00
FMP-FLX-67	67' flexible inventory probe	\$16,032.00
FMP-FLX-68	68' flexible inventory probe	\$16,506.00
FMP-FLX-69	69' flexible inventory probe	\$17,105.00
FMP-FLX-70	70' flexible inventory probe	\$17,443.00

Notes: 1. Flexible Probe orders cannot be canceled.

2. Refer to the product catalog for detail on determining the correct Flexible Probe length.

**Flex Probe Installation Kits & Float Kits**

Model	Description	List
FMP-SLVF	Installation kit, includes sleeve and adjustable height compression fitting	\$418.00
FMP-AGF2	2" gasoline float kit for flexible probes, includes product float, water float, and spacer	\$381.00
FMP-AGF3	3" gasoline float kit for flexible probes, includes product float, water float, and spacer	\$381.00
FMP-AGF4	4" gasoline float kit for flexible probes, includes product float, water float, and spacer	\$381.00
FMP-ADF2	2" diesel float kit for flexible probes, includes product float, water float, and spacer	\$381.00
FMP-ADF3	3" diesel float kit for flexible probes, includes product float, water float, and spacer	\$381.00
FMP-ADF4	4" diesel float kit for flexible probes, includes product float, water float, and spacer	\$381.00

**Cables**

Model	Description	List
600-0042	Belden™ #87761, runs up to 500' (500' rolls)	\$3.00
600-0055	Belden™ #89182, runs 500' to 1,500' (500' rolls)	\$9.00
600-0180	Quick disconnect probe cable	\$58.00

Notes: 1. Cable is sold in 500' increments.

2. Orders greater than 500' will ship in 1000' and 500' rolls.

3. Contact tech support for more information on cable requirements.

Belden™ is a trademark of Belden Technologies, Inc.

**Accessories**

Model	Description	List
TSP-DB1	One direct burial splice connector kit	\$68.00
TSP-DB10	Pack of 10 direct burial splice connector kits	\$498.00
TSP-DBTOOL	Epoxy dispensing tool	\$195.00
TSP-KW30	Pack of 30 3M™ splice connectors	\$77.00
TSP-UVPK	Ultraviolet protection kit - protects probe electronics when installed in AST applications	\$80.00

Notes: 1. Use the TSP-DB1 or TSP-DB10 for direct burial cable applications or when weatherproof junction boxes are not used.

2. The DBTOOL is required to dispense the epoxy.

3. Each direct burial splice connector kit includes a receptacle, three splice connectors and epoxy for the dispensing tool.

3M™ is a trademark of 3M Company.

**Discriminating & Non-Discrimination Sensors**
**Temperature Sensor**

Model	Description	List
FMP-TEM	Temperature sensor with installation fitting	\$965.00

**Discriminating Dispenser Sump Brite™ Sensor (DDS)**

Model	Description	List
FMP-DDS	Discriminating dispenser sump Brite™ sensor (EVO™ 550 and EVO™ 5000)	\$551.00
FMP-DDS-U	Discriminating dispenser sump UDP sensor (EVO™ 200 and EVO™ 400)	\$551.00
TSP-KS	Uni-Strut® mounting kit	\$97.00

Note: The DDS and DDS-U sensor communicates with the ATG using 3 wires and 2 wires, respectively.

**Discriminating Turbine Sump Brite™ Sensor (DTS)**

Model	Description	List
FMP-DTS	Discriminating turbine sump Brite™ sensor (EVO™ 550 and EVO™ 5000)	\$631.00
FMP-DTS-U	Discriminating turbine sump UDP sensor (EVO™ 200 and EVO™ 400)	\$650.00
TSP-KS	Uni-Strut® mounting kit	\$97.00

Note: The DTS and DTS-U sensors communicate with the ATG using 3 wires and 2 wires, respectively.

**Discriminating Magnetostrictive Sensor (DMS)**

Model	Description	List
TSP-DMS-12	Discriminating magnetostrictive sensor, 12" (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000)	\$1,030.00
TSP-DMS-24	Discriminating magnetostrictive sensor, 24" (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000)	\$1,052.00
TSP-KS	Uni-Strut® mounting kit	\$97.00

Note: This sensor communicates with the ATG via the TS-PRB probe module.

**Liquid Sensor (ULS)**

Model	Description	List
FMP-ULS	Universal liquid sump sensor (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000)	\$269.00
TSP-KI2	Interstitial sensor riser cap kit for 2" riser pipes	\$128.00

Note: This sensor communicates with the ATG using 2 wires.

**Universal Hydrostatic Sensor (UHS)**

Model	Description	List
FMP-UHS	Universal hydrostatic sensor (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000)	\$269.00
HM-KIT	Hydrostatic monitoring installation kit, includes: flexible brine tube, sensor housing clamp, sensor housing, sensor cap and hardware	\$234.00

Note: This sensor communicates with the ATG using 2 wires.

**Electro-Optic Interstitial Sensor (EIS)**

Model	Description	List
FMP-EIS	Electro-optic interstitial Brite™ sensor (EVO™ 550 and EVO™ 5000)	\$475.00
FMP-EIS-U	Electro-optic interstitial UDP sensor (EVO™ 200 and EVO™ 400)	\$475.00
TSP-KI2	Interstitial sensor riser cap kit for 2" riser pipes	\$128.00

Note: This EIS and the EIS-U sensor communicates with the ATG using 3 wires and 2 wires, respectively.

**Discriminating Interstitial Brite™ Sensor (DIS)**

Model	Description	List
FMP-DIS	Discriminating interstitial Brite™ sensor (EVO™ 550 and EVO™ 5000)	\$571.00
FMP-DIS-U	Discriminating interstitial UDP sensor (EVO™ 200 and EVO™ 400)	\$571.00
TSP-KI2	Interstitial sensor riser cap kit for 2" riser pipes	\$128.00

Note: This DIS and the DIS-U sensor communicates with the ATG using 3 wires and 2 wires, respectively.

**Hydrostatic Interstitial Brite™ Sensor (HIS)**

Model	Description	List
FMP-HIS	Hydrostatic interstitial Brite™ sensor, 11" (EVO™ 550 and EVO™ 5000)	\$678.00
FMP-HIS-U	Hydrostatic interstitial UDP sensor, 11" (EVO™ 200 and EVO™ 400)	\$678.00
FMP-HIS-XL	Hydrostatic interstitial Brite™ sensor, 21" (EVO™ 550 and EVO™ 5000)	\$1,253.00
FMP-HIS-XL-U	Hydrostatic interstitial UDP sensor, 21" (EVO™ 200 and EVO™ 400)	\$1,253.00
TSP-KV4**	Hydrostatic sensor vented riser pipe cap kit for 4" riser pipes	\$128.00

Note: The HIS and the HIS-XL communicates with the ATG using 3 wires. The HIS-U and the HIS-XL-U communicates with the ATG using 2 wires.

2. The FMP-HIS and FMP-HIS-XL include the TSP-KV4.

\*Not including cable.

\*\* One TSP-KV4 is already included with each HIS or HIS-XL sensor.

**Horizontal Float Switch Sensor (HFS)**

Model	Description	List
FMP-HFS	Horizontal Float Switch Sensor (EVO™ 550 and EVO™ 5000)	\$468.00
TSP-HFS	Horizontal Float Switch Sensor (\$940 Console)	\$468.00
TSP-K12	Interstitial sensor riser cap kit for 2" riser pipes	\$128.00

**Monitoring Well Sensor (MWS)**

Model	Description	List
TSP-MWS-10	10' monitoring well sensor (EVO™ 550 and EVO™ 5000)	\$920.00
TSP-MWS-15	15' monitoring well sensor (EVO™ 550 and EVO™ 5000)	\$1,067.00
TSP-MWS-20	20' monitoring well sensor (EVO™ 550 and EVO™ 5000)	\$1,216.00
TSP-MWS-25	25' monitoring well sensor (EVO™ 550 and EVO™ 5000)	\$1,287.00

Note: This sensor communicates with the ATG using 3 wires.

**Level Sensor (HLS)**

Model	Description	List
TSP-HLS-15	High product level sensor, 15' long, installed in tank (EVO™ 550 and EVO™ 5000)	\$478.00
TSP-HLS-15/SS	High product level sensor, stainless steel 15' long, installed in tanks containing alternative fuels (EVO™ 550 and EVO™ 5000)	\$886.00
TSP-HLS-30	High product level sensor, 30' long, installed in tank (EVO™ 550 and EVO™ 5000)	\$478.00
TSP-HLS-30/SS	High product level sensor, stainless steel 30' long, installed in tanks containing alternative fuels (EVO™ 550 and EVO™ 5000)	\$1,406.00

Note: This sensor communicates with the ATG using 2 wires.

**DC400 Dispensing Cutoff System**

Model Ordering Information

Model	Description	List
DC 404	\$404 float switch sensor and controller	\$692.00
DC 404C	\$404 liquid sensor and controller for Canadian applications	\$692.00
TS-FE	FE Petro STP electric junction box adapter	\$89.00
TS-RJ	Red Jacket™ STP electric junction box adapter	\$89.00
TS-RJQ	Red Jacket™ Quantum™ STP electric junction box adapter	\$89.00

Note: Electric junction box adapters for STP installations.

Red Jacket™ is a trademark of Veeder-Root Company. Quantum™ is a trademark of Gilbarco Inc.

**TSP-K12 Interstitial Sensor Riser Cap Installation Kit**

Model	Description	List
TSP-K12	Interstitial sensor riser cap kit for 2" riser pipes	\$128.00

**TSP-KV4 Hydrostatic Sensor Vented Riser Cap Installation Kit**

Model	Description	List
TSP-KV4	Hydrostatic sensor vented riser cap kit for 4" riser pipes	\$128.00

**TSP-KW4 Interstitial/Monitoring Well Pipe Cap Installation Kit**

Model	Description	List
TSP-KW4	Interstitial/monitoring well pipe cap kit for 4" riser pipes	\$120.00

**Sensor Installation Accessories**
**Uni-Strut® Mounting Kit**

Model	Description	List
TSP-KS	Uni-Strut® mounting kit	\$97.00

**Probe and Sensor Installation Accessories**

Model	Description	List
TSP-DB1	One direct burial splice connector kit	\$68.00
TSP-DB10	Pack of 10 direct burial splice connector kits	\$498.00
TSP-DBTOOL	Epoxy dispensing tool	\$195.00
TSP-KW30	Pack of 30 3M™ splice connectors	\$77.00

Notes: 1. Use the TSP-DB1 or TSP-DB10 for direct burial cable applications or when weatherproof junction boxes are not used.

2. The DBTOOL is required to dispense the epoxy.

3. Each direct burial splice connector kit includes a receptacle, three splice connectors, and epoxy for the dispensing tool.

3M is a trademark of 3M Company.

**External Console Hardware****Remote Audible and Visible Alarm Unit**

Model	Description	List
TS-RA1	Standard intensity, tank overfill alarm with light and horn	\$605.00
TS-RA2	High intensity, tank overfill alarm with light and horn	\$673.00
TS-RK	Remote tank overfill alarm acknowledge unit	\$440.00

**System Sentinel AnyWare Site Licenses**

Model	Description	List
SSA-SU25	1-25 Sites License	\$6,154.00
SSA-SU50	1-50 Sites License	\$11,659.00
SSA-SU100	1-100 Sites License	\$19,114.00
SSA-SU10	Additional increments of 10 sites	\$2,924.00

## Notes:

1. When placing order, the following information must be supplied along with email address to issue a software license:
  - Company software will be licensed to
  - Address of company
  - Phone number of company
  - Contact name at company
2. Licenses may not be returned after purchase
3. An additional fee will be charged for optional on-site installation and training. The charge is \$500 per day plus travel expenses.
4. The purchase of an annual maintenance contract is required for continued technical support and to receive any software updates. The maintenance fee is 15% of the list price of the user's system at the time of renewal.

## Spare Parts

### T5 Series and TS-EMS Consoles

Model	Description	List
<b>Common To All (TS-5 uses TSSP-PRB only)</b>		
TSSP-CM	Spare controller module, fuel management system application only, no software options	\$1,340.00
TSSP-CM/R	Replacement controller module, factory programmed with required options	\$1,340.00
TSA-CMUPG	Upgrade kit for TSSP-CM in stock to add original options	\$123.00
TSSP-10ARLY	Spare 6 output 10 amp relay module	\$660.00
TSSP-2WSNS	Spare 12 input 2-wire sensor module	\$1,030.00
TSSP-3WSNS	Spare 8 input 3-wire sensor module	\$1,174.00
TSSP-420IB	Spare 8 input 4-20ma module	\$1,030.00
TSSP-420EXP	Spare 8 input EXP 4-20ma module	\$1,042.00
TSSP-ACI	Spare 12 input AC input module	\$985.00
TSSP-IO	Spare input output module	\$1,030.00
TSSP-PRB	Spare 12 input probe module	\$985.00
TSSP-RLY	Spare 8 output relay module	\$994.00
TSSP-PS	Power supply module	\$1,295.00
TSSP-TMPTR	Thermal printer assembly for TS-550, TS-5000, TS-EMS	\$795.00
TSSP-TRMBLK	Package of 10 assorted terminal blocks	\$191.00
TSSP-EXPPS	Expansion console power supply	\$1,244.00
<b>TS-550/5000/ Only</b>		
TSSP-LCDIFB5x	LCD display and interface board kit for TS-550, TS-5000	\$1,030.00
TSSP-SP5FUSE	Spare Fuse Kit	\$39.00
TS-TP 5000	TS-550 and TS-5000 impact printer paper	\$21.00
TS-TP5000C	12 rolls of impact printer paper	\$89.00
TS-INKRB	TS-550 and TS-5000 ink ribbon	\$21.00
<b>TS-5 Only</b>		
TSSP-T5MB	TS-5 motherboard	\$108.00
TSSP-LCDIFB5	LCD display and interface board kit for TS-5	\$1,030.00
<b>TS-EMS Only</b>		
TSSP-CM/EMS-202	Spare controller module for TS-EMS, vapor recovery monitoring application only.	\$1,340.00
TSSP-CM/EMS-204	Need to know CARB Executive Order#	
TSSP-CM/EMSB	Spare controller module for TS-EMS (balance site), VRM (1.1) application only	\$1,117.00
<b>EVO 550 and EVO 5000 Only</b>		
EVO-CM/R	Replacement TS-550/5000 evo controller module, factory programmed with options	\$1,419.00
EVO-CMUPG	Upgrade kit for EVO-CM in stock to add original options	\$120.00
EVO-LCD	Replacement color LCD display	\$1,082.00
EVO-IFB	Replacement display/printer interface board	\$1,071.00
EVO-TMPTR	Thermal printer assembly for TS-550/5000 evo	\$510.00

Note: The serial number of the old CM must be provided when ordering the TSSP or EVO -CM/R. Provide the serial number of the old and new CM when ordering the TSA or EVO -CMUPG.

Note: Only one TS-DIM or TS-LON module can be installed per console.

**TS-504 and TS-750 Consoles**

Model	Description	List
TSSP-BAT	3 Volt lithium battery	\$90.00
TSSP-DSP1	Keypad/display PC board	\$760.00
TSSP-DSPKC1	Display/keypad cable	\$118.00
TSSP-ENCLK	Enclosure lock and key	\$90.00
TSSP-PSTB4-SM	Surface mount probe/sensor terminal board, serial numbers 100000 and higher	\$226.00
TSSP-PTR	Printer assembly	\$1,042.00
TSSP-PTRC1	Printer cable	\$78.00
TSSP-SMSB4	Surface mount system PC board, 110 VAC, serial numbers 100000 and higher	\$3,052.00
TSSP-SPFUSE	Spare fuse kit	\$78.00
TSSP-SVKT4-SM	TS-504 and TS-750 service kit for surface mount boards*	\$3,938.00
VSSP-SMSB4	Surface mount system PC board, 220 VAC, serial numbers 100000 and higher	\$2,742.00

\*TSSP-SVKT4-SM includes one of the following: TSSP-SMSB4, TSSP-DSP1, TSSP-PSTB4-SM, TSSP-PTR, TSSP-PTRC1, TSSP-DSPKC1, TSSP-SPFUSE, TSSP-ENCLK and TSSP-BAT.

Note: TSSP-MSB4 boards are no longer available. Order TSSP-SMSB4 main board and TSSP-PSTB4-SM terminal board as replacements.

**TS-1001 Console**

Model	Description	List
TSSP-BAT	3 Volt lithium battery	\$90.00
TSSP-DSP1	Keypad/display PC board	\$760.00
TSSP-DSPKC1	Display/keypad cable	\$118.00
TSSP-ENCLK	Enclosure lock and key	\$90.00
TSSP-PSTB1-SM	Surface mount probe/sensor terminal board, serial numbers 100000 and higher	\$252.00
TSSP-PTR	Printer assembly	\$1,042.00
TSSP-PTRC1	Printer cable	\$78.00
TSSP-SMSB4	Surface mount system PC board, 110 VAC, serial numbers 100000 and higher	\$3,052.00
TSSP-SPFUSE	Spare fuse kit	\$78.00
TSSP-SVKT1-SM	TS-1001 service kit for surface mount boards	\$3,938.00
TSSP-T1KEY	Replacement key	\$33.00
VSSP-SMSB4	Surface mount system PC board, 220 VAC, serial numbers 100000 and higher	\$2,742.00

\*TSSP-SVKT1-SM includes one of the following: TSSP-SMSB4, TSSP-DSP1, TSSP-PSTB1-SM, TSSP-PTR, TSSP-PTRC1, TSSP-DSPKC1, TSSP-SPFUSE, TSSP-ENCLK and TSSP-BAT.

Note: TSSP-MSB8 boards are no longer available. Order TSSP-SMSB8 main board and TSSP-PSTB8-SM terminal board as replacement.

**EVO 200 and EVO 400 Only - Upgrades/Replacements**

Model	Description	List
FMP-LCD	EVO 200™ & EVO 400™ LCD	\$320.00
FMP-WIFI	EVO 200™ & EVO 400™ Wifi	\$786.00
FMP-24FUSE	EVO 200™ & EVO 400™ replacement fuse kit	\$63.00
FMP-24CVRWD	EVO 200™ & EVO 400™ replacement cover with display	\$126.00
FMP-24CVR	EVO 200™ & EVO 400™ replacement cover without display	\$116.00

**TS-2001 Console**

Model	Description	List
TSSP-BAT	3 Volt lithium battery	\$90.00
TSSP-ENCLK	Enclosure lock and key	\$90.00
TSSP-PSTB2-SM	Surface mount probe/sensor terminal board, serial numbers 100000 and higher	\$381.00
TSSP-PTR	Printer assembly	\$1,042.00
TSSP-PTRC2	Printer cable	\$118.00
TSSP-SMSB8	Surface mount system PC board, 110 VAC, serial numbers 100000 and higher	\$3,120.00
TSSP-SPFUSE	Spare fuse kit	\$78.00
TSSP-SVKT2-SM	TS-2001 service kit for surface mount boards*	\$4,330.00
VSSP-SMSB4	Surface mount system PC board, 220 VAC, serial numbers 100000 and higher	\$2,742.00

\*TSSP-SVKT2-SM includes one of the following: TSSP-SMSB8, TSSP-DSP2, TSSP-PSTB2-SM, TSSP-PTR, TSSP-PTRC2, TSSP-DSPKC2, TSSP-SPFUSE, TSSP-ENCLK and TSSP-BAT.

Note: TSSP-MSB8 boards are no longer available. Order TSSP-SMSB8 main board and TSSP-PSTB8-SM terminal board as replacement.

**DC400**

Model	Description	List
404-4	Controller	\$590.00
S404	Float Switch Sensor	\$274.00

Note: Replacement parts are not compatible with legacy DC400 systems. Both controller and sensor must be replaced. Order DC404 system to replace legacy components.

**TS-LLD**

Model	Description	List
010-0072	Control unit terminal interface board	\$300.00
020-1503	Hardware kit	\$58.00
430-0010	0.5 Amp fuse	\$7.00
TS-CU	Control unit	\$828.00
TS-FC	Line filter capacitor	\$49.00
TS-FPU	Face plate unit	\$616.00
TS-LSU	Leak sensor unit	\$1,372.00

**TS-LS300**

Model	Description	List
600-0180	Transducer quick disconnect cable	\$58.00
TS-ALCAL	3.0 gph calibration kit	\$99.00
TS-ALFUSE	AutoLearn™ fuse kit	\$49.00
TS-AFALNIP	Alternative fuels needle valve kit	\$105.00
TS-ALNIP	Needle valve kit	\$58.00
TS-LSU300	Intrinsically safe pressure transducer	\$580.00
TS-LSU300E	Explosion proof pressure transducer	\$580.00
TSSP-ALDB2	2-line display board	\$116.00
TSSP-ALDB4	4-line display board	\$143.00
TSSP-ALMB2	2-line intrinsically safe main board, 110 VAC	\$1,666.00
TSSP-ALMB2E	2-line explosion proof main board, 110 VAC	\$1,621.00
TSSP-ALMB4	4-line intrinsically safe main board 110 VAC	\$1,989.00
TSSP-ALMB4E	4-line explosion proof main board 110 VAC	\$1,767.00
TSSP-ALPTRC	Ribbon cable, display board to main board	\$7.00
TSSP-ALTPI	TPI turbine pump interface board	\$730.00
VSSP-ALMB2	2-line I/S main board, 220 VAC	\$1,725.00
VSSP-ALMB4	4-line I/S main board, 220 VAC	\$1,751.00

**TS-LS500**

Model	Description	List
600-0180	Transducer quick disconnect cable	\$58.00
TS-ALCAL	3.0 gph calibration kit	\$99.00
TS-AFALNIP	Alternative fuels needle valve kit	\$105.00
TS-ALNIP	Needle and valve kit	\$58.00
TS-LSU500	Intrinsically safe 4-20 mA pressure transducer	\$568.00
TS-LSU500E	Explosion proof 4-20 mA pressure transducer	\$568.00

**TS-ST5 Sump Test Kit**

Model	Description	List
282-0027	Chain, including split ring	\$37.00
282-0058	Split ring	\$7.00
600-0200	Probe cable 50'	\$204.00
TS-PRB-1	12" leak test probe kit*	\$1,817.00
TS-ST5	Replacement ST5 console and case	\$11,378.00
TS-TP2	One box of 5 rolls of thermal printer paper	\$58.00
TSP-SSP	Stainless steel probe float	\$400.00
ST5-CASE	ST5 probe case	\$1,188.00
ST5-PRB-12	12" leak test probe	\$1,223.00
ST5-REPAIR	ST5 system repair	\$1,893.00

Note: For parts for the TS-ST5 unit itself, reference the TS-1001 parts list. Repair price includes labor and return shipping only. \*Probe kit includes probe, float, chain and cable.

**Accessories**

Model	Description	List
430-0033	3 amp fuse for TS-ROM2/4 or /8	\$5.00
TSP-ENCD	Replacement encoder for TS-VFM	\$398.00







**Franklin Fueling Systems**

franklinfueling.com  
3760 Marsh Rd. • Madison, WI 53718, USA  
Tel: +1 608 838 8786 • Fax: +1 608 838 6433  
Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0) 1473 243300  
Tel: Mex 001 800 738 7610 • Tel: DE +49 6571 105 308 • Tel: CN +86 10 8565 4566



© 2018 Franklin Fueling Systems, LLC. All Rights Reserved.