



Blended Fuel Compatibility Form

Facility - New		Tank - 5	
Facility Name	Casey's General Stores #3969	Tank Material	Tank - Fiberglass Double Wall
Address	25235 E. Eames Street Channahon, IL 60410	Tank Capacity	8,000
County	Will	Tank Product	E-85
Contact Name	Lee Lytle	Tank Install Date	Not Installed
Phone Number	(515) 446-6231		

Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Fiberglass Double Wall	Containment Solutions	Manufacturer Approval	CSI Compatibility.pdf	From Permit Application

Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Flexible Double Wall	A.P.T. Poly Tech S175SC	Manufacturer Approval	FFS-0524 XP Flexible Pipe work Datasheet.pdf	From Permit Application

Containment Sump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Single Wall STP/Tanktop Sump	Franklin Tank sump, part #TD4236 and Franklin dispenser sump, part #602375001	Manufacturer Approval	Franklin Fueling Compatible Products.pdf	From Permit Application

Release Detection Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Non-Discriminating Interstitial Monitoring Sensors	Veeder Root, Model #794380-345	Manufacturer Approval	Veeder Root Compatibility .pdf	From Permit Application
ATG Probe	Veeder Root, Model #846391-607	Manufacturer Approval	Veeder Root Compatibility .pdf	

Release Detection Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Electronic Pressurized Line Leak Detection	Veeder Root	Manufacturer Approval	Veeder Root Compatibility .pdf	From Permit Application
Non-Discriminating Sump Sensor with positive shutdown	Veeder Root, Model #794380-323	Manufacturer Approval	Veeder Root Compatibility .pdf	From Permit Application

Spill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Single Wall Spill Bucket	Franklin, EBW defender overspill, part #705556111BLK	Manufacturer Approval	Franklin Fueling Compatible Products.pdf	From Permit Application

Overfill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Overfill Drop Tube Valve	Franklin, part #708691922	Manufacturer Approval	Franklin Defender Series OPV Datasheet.pdf	From Permit Application

Pump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
FE Petro Submersible	STPAG75-VL2	Manufacturer Approval	FE Petro Compatibility.pdf	

Gaskets & Seals Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Gasket	CSI	Manufacturer Approval	CSI Compatibility.pdf	

Joint Dopes & Adhesives Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Pipe Dope	Gasoil	Manufacturer Approval	Gasoil Compatibility.pdf	

Correspondence Contact

Submitter Name Warren Cherner
Job Title President
Company Metro Tank and Pump Company
Phone Number (847) 465-4000
Email info@metrotank.com
Contractor License # IL102

By checking this box, I certify that this Blended Fuel Compatibility Form has been completed as required by OSFM rules.



Sealant Application Guide

This information is provided solely as a guide. Recommendations are based on a wide variety of customer experience. Federal Process suggests that users always test the product for compatibility prior to use.

GASOILA[®]

CHEMICALS

Soft-Set E-Seal Hard Set PLS-2 100 JC-30 NT Fas Seal ATS



- Acids-Dilute
- Acids-Concentrate
- Air-Compressed
- Alcohol
- Aliphatic Solvents
- Aromatic Solvents
- Brine
- Butane
- Caustic-Dilute
- Caustic-Concentrate
- Chlorinated Solvents
- Coal Tar
- Cutting Oils
- Diesel Fuels
- E-10 and E-85 Gas
- Ethanol 100%
- Ethylene Glycol
- Fatty Acids & Liquids
- Freon
- Gasoline
- Glycerine
- Heating Oils
- Helium-Gaseous
- Inert Gases
- Jet Fuel
- Kerosene
- Ketones
- LPG
- Methanol 100%
- Methyl Chloride
- Mineral Oils
- Naphthas
- Natural Gas
- Nitrogen-Gaseous
- Petroleum Solvents
- Propane
- Refrigerants
- Soap-Liquid
- Steam
- Toluene
- Vegetable Oils
- Water-Hot or Cold
- Xylene

	Soft-Set	E-Seal	Hard Set	PLS-2	100	JC-30	NT	Fas Seal ATS
Acids-Dilute	●		●	●	●	●	●	●
Acids-Concentrate	●		●	●	●	●	●	●
Air-Compressed	●		●	●	●	●	●	●
Alcohol	●		●	●	●	●	●	●
Aliphatic Solvents	●		●	●	●	●	●	●
Aromatic Solvents	●	●	●	●	●	●	●	●
Brine	●		●	●	●	●	●	●
Butane	●		●	●	●	●	●	●
Caustic-Dilute	●		●	●	●	●	●	●
Caustic-Concentrate	●		●	●	●	●	●	●
Chlorinated Solvents	●		●	●	●	●	●	●
Coal Tar	●		●	●	●	●	●	●
Cutting Oils	●		●	●	●	●	●	●
Diesel Fuels	●	●	●	●	●	●	●	●
E-10 and E-85 Gas	●	●	●	●	●	●	●	●
Ethanol 100%	●		●	●	●	●	●	●
Ethylene Glycol	●		●	●	●	●	●	●
Fatty Acids & Liquids	●		●	●	●	●	●	●
Freon	●		●	●	●	●	●	●
Gasoline	●	●	●	●	●	●	●	●
Glycerine	●		●	●	●	●	●	●
Heating Oils	●	●	●	●	●	●	●	●
Helium-Gaseous	●		●	●	●	●	●	●
Inert Gases	●		●	●	●	●	●	●
Jet Fuel	●	●	●	●	●	●	●	●
Kerosene	●	●	●	●	●	●	●	●
Ketones	●		●	●	●	●	●	●
LPG	●		●	●	●	●	●	●
Methanol 100%	●		●	●	●	●	●	●
Methyl Chloride	●		●	●	●	●	●	●
Mineral Oils	●	●	●	●	●	●	●	●
Naphthas	●	●	●	●	●	●	●	●
Natural Gas	●		●	●	●	●	●	●
Nitrogen-Gaseous	●		●	●	●	●	●	●
Petroleum Solvents	●	●	●	●	●	●	●	●
Propane	●		●	●	●	●	●	●
Refrigerants	●		●	●	●	●	●	●
Soap-Liquid	●		●	●	●	●	●	●
Steam	●		●	●	●	●	●	●
Toluene	●	●	●	●	●	●	●	●
Vegetable Oils	●		●	●	●	●	●	●
Water-Hot or Cold	●		●	●	●	●	●	●
Xylene	●		●	●	●	●	●	●



August 1, 2011

Fuel Storage Compatibility

This letter applies to all fiberglass fuel storage products manufactured since the inception of Containment Solutions, Inc. (CSI) on 1/1/1995 including:

- Single-wall underground tanks
- Double-wall underground tanks
- Triple-wall underground tanks
- ReTank® (In situ double-wall tank upgrade)
- BTU® (Bio fuel Tank Upgrade for fluid compatibility)
- Single-wall tank sumps
- Double-wall tank sumps

CSI single, double, and triple wall tanks are listed by Underwriters Laboratories Inc., under UL Standard 1316 - *Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*.

All of the above Containment Solutions' products are compatible for use with the following fuels and fuel blends:

- Gasoline, jet fuel, aviation gasoline, motor oil (new or used), kerosene, diesel motor fuel
- Alcohol-gasoline blend motor fuels
 - Gasoline-ethanol blends with up to 100% ethanol
 - Gasoline-methanol blends with up to 100% methanol
- Biodiesel-diesel blends with up to 100% biodiesel (B100 per ASTM)
- Oxygenated motor fuels with up to 20% (by volume) methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), or tertiary amyl ethyl ether (TAEF)
- Diesel fuel oil

For more information on CSI products or CSI Field Services contact:

Containment Solutions

1-877-CSI-TANK

sales@csiproducts.com

www.containmentsolutions.com

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ron Shaffer', is positioned above the printed name.

Ron Shaffer

Vice President Sales & Marketing

Containment Solutions, Inc.

DEFENDER SERIES® OVERFILL PREVENTION VALVE

The Defender Series® Overfill Prevention Valve (OPV) prevents the overfill of an underground storage tank during a gravity-fed product delivery. It employs a revolutionary magnetically-coupled actuator system to provide positive shutoff. This unique method of shutoff eliminates any penetrations in the valve, making it both vapor and leak tight. This also allows for remote compliance testing of the primary functionality at grade level without having to remove the OPV from the tank.



Drop Tube
Adapter

HIGHLIGHTS

- Magnetic coupler actuates the interior primary flapper assembly and secondary shut-off valve when the float rises outside of the valve, eliminating valve body penetrations and any potential product or vapor leak points.
- After cutting to length in the field, the upper drop tube is roll-crimped onto a top adapter outfitted with two O-rings and then threaded onto the top of the valve body, eliminating the need for drilling, rivets, epoxy, and flaring tools.
- Bottom drop tube is cut in the field and threaded onto the bottom of the valve ensuring straight installation.
- The roll-crimp/thread method of installing drop tubes ensures proper alignment of the drop tubes with the rest of the OPV assembly, making installation and removal of the entire assembly smooth.
- Damaged drop tubes can be easily replaced instead of having to purchase an entire new assembly.
- Fully compatible with gas, gas/alcohol blends, diesel, and Biodiesel.
- Compatible with industry standard 4" drop tubes allowing retrofit into existing installations.
- The entire OPV assembly remains within the 4" inner diameter of the riser preventing interference with other tank components and also allowing removal even while the tank is full.
- Actuates in both low- and high-flow applications and functions within a broad range of flow rates from 25 gpm to 370 gpm (95 lpm to 1,400 lpm) and higher.
- The remote testing tool allows for remote testing of the primary functionality without having to remove the OPV from the riser.

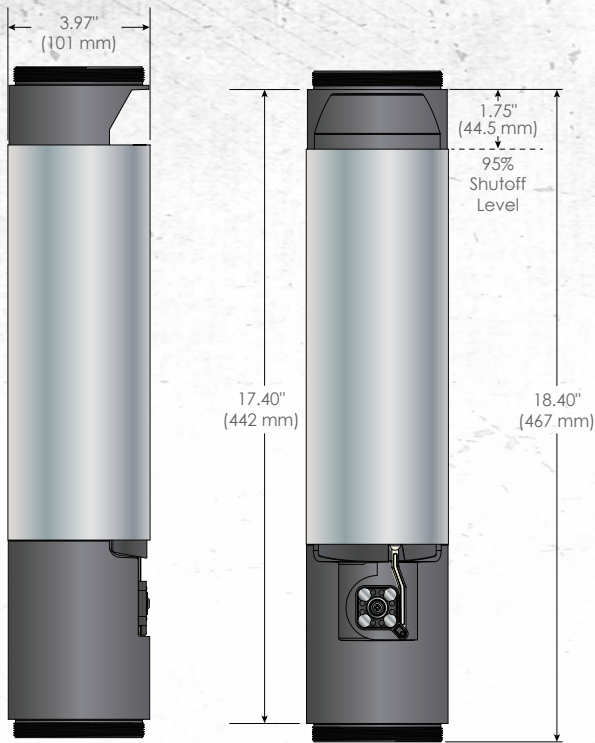
SPECIFICATIONS

Approvals & Certifications

- CARB certified, VR-101-U (FFS) and VR-102 (OPV®).
- ATEX 2014/34/EU approved.
- EN13616 certified.
- KIWA BRL-K636/03 certified.
- UL 2583 listed and ULc listed, MH21090.
- For all vapor control and liquid control products covered by UL 2583 automotive fuels, only those fuels formulated in accordance with 40CFR80, "Regulation of Fuels and Fuel Additives," and meeting the following ASTM fuel specifications and blend limits:
 - ASTM D975 diesel with or without biodiesel blends up to 5% (B5)
 - ASTM D7467 diesel with biodiesel blends between 6% - 20% (B6 - B20)
 - ASTM D4814 gasoline with ethanol blends up to 10% (E10)
 - ASTM D4814 and ASTM D5798 mid-range ethanol/gasoline blends of (E11-50)
 - ASTM D5798 high-range ethanol/gasoline blends (E51-83)-Commercially sold as E85
 - Isobutanol Fuel Blends (max iBu16) of ASTM D4814 Gasoline (E0) and ASTM D7862 Butanol (2-methyl-1-propanol isomer)
- In addition to UI 2583 listed fuels, the following fuels are also compatible:
 - Biodiesel up to 5% B5
 - Biodiesel up to 20% B20
 - Biodiesel at 97%-100% B99/B100
 - All ASTM Biofuel blends
- ✗ • Alcohol, gas, biofuel compatible (E-85, gasoline and biodiesel) models come with hard coated anodized drop tubes for full compatibility.

SPECIFICATIONS CONTINUED

Dimensions

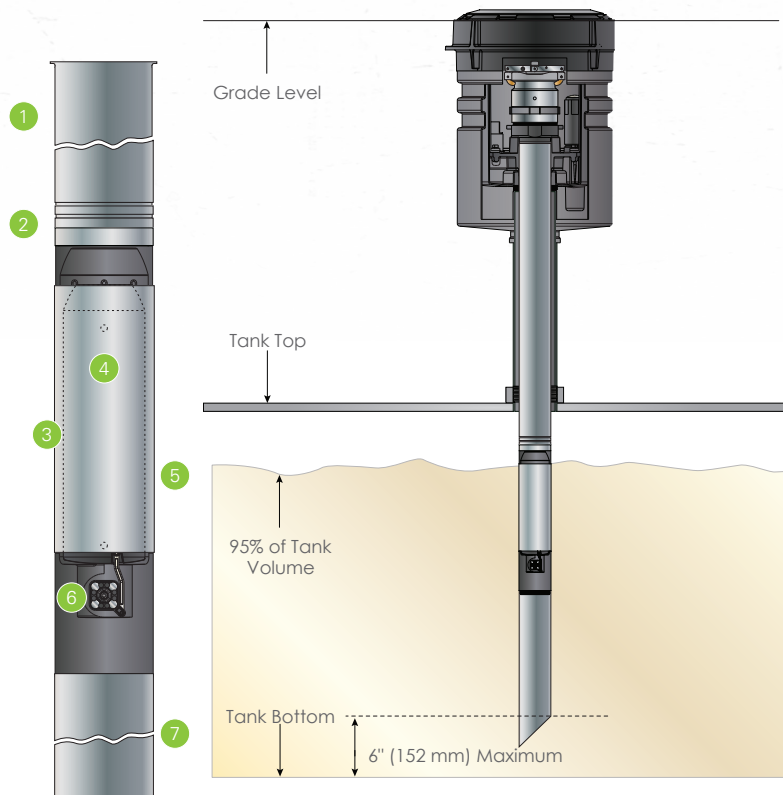


Components

- 1 Pre-flanged aluminum top drop tube
- 2 Roll-crimped top fitting/drop tube
- 3 Protective float sleeve
- 4 Float (shielded by float sleeve)
- 5 Valve assembly
- 6 Magnetically-coupled actuator
- 7 Threaded bottom drop tube

Operation

As the liquid level in the UST approaches 95% capacity, the liquid level raises the float. As the float rises it actuates the external/internal magnetic couplers which release the flapper to be closed by the flow of product. As the float continues to rise, the internal mechanism pushes the flapper further into the product flow to allow actuation at high or low flow rates. This sudden reduction in flow caused by the primary flapper closing creates “line shock” to the fill hose which signals the delivery driver that the tank is nearing 95% capacity. As the float continues to rise to the 95% fill level, the secondary closes, completely stopping the flow of fuel.



ORDERING INFORMATION

Model	Description
708691901	Defender Series® overfill prevention valve with 5' (1524 mm) top drop tube, 8' (2438 mm) bottom drop tube
708691902	Defender Series® overfill prevention valve with 5' (1524 mm) top drop tube, 10' (3048 mm) bottom drop tube
708691921	Defender Series® overfill prevention valve with 5' (1524 mm) top drop tube, 8' (2438 mm) bottom drop tube, AGB compatible*
X 708691922	Defender Series® overfill prevention valve with 5' (1524 mm) top drop tube, 10' (3048 mm) bottom drop tube, AGB compatible*
708692901	Defender Series® overfill prevention valve with 10' (3048 mm) top drop tube, 8' (2438 mm) bottom drop tube
708692902	Defender Series® overfill prevention valve with 10' (3048 mm) top drop tube, 10' (3048 mm) bottom drop tube
708692921	Defender Series® overfill prevention valve with 10' (3048 mm) top drop tube, 8' (2438 mm) bottom drop tube, AGB compatible*
708692922	Defender Series® overfill prevention valve with 10' (3048 mm) top drop tube, 10' (3048 mm) bottom drop tube, AGB compatible*
708693901	Defender Series® overfill prevention valve, coaxial with 6.5' (1981 mm) top drop tube, 8' (2438 mm) bottom drop tube
708693902	Defender Series® overfill prevention valve, coaxial with 6.5' (1981 mm) top drop tube, 10' (3048 mm) bottom drop tube
708693923	Defender Series® overfill prevention valve, poppeted coaxial with 6.5' (1981 mm) top drop tube, 8' (2438 mm) bottom drop tube, AGB compatible*
708693924	Defender Series® overfill prevention valve, poppeted coaxial with 6.5' (1981 mm) top drop tube, 10' (3048 mm) bottom drop tube, AGB compatible*
708694901	Defender Series® overfill prevention valve only with top adapter, AGB compatible*
708694902	Defender Series® overfill prevention valve only with coaxial top adapter, AGB compatible*
708535901	Roll crimping tool
708530930	Replacement roll crimper tool roller bit for retrofit with existing tool
708534901	Remote testing tool, 11' (3353 mm) long sectional/collapsible
708534902	Coaxial remote testing tool, 11' (3353 mm) long sectional/collapsible

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

Replacement Parts

Model	Description
85039-DT	Spare drop tube seal
1103942	Spare adapter O-ring
1103943	Spare Coaxial adapter O-ring
708526901	Upper tube adapter kit
708529901	Coaxial Upper tube adapter kit

Model	Description
70821705	5' flanged top drop tube; order in multiples of 4
70821725	5' flanged top drop tube, AGB compatible; order in multiples of 4
708542908	8' thread-on bottom drop tube assembly, 2-pk
708542908AN	8' thread-on bottom drop tube assembly, 2-pk, AGB compatible
708542910	10' thread-on bottom drop tube assembly, 2-pk
708542910AN	10' thread-on bottom drop tube assembly, 2-pk, AGB compatible

XP FLEXIBLE PIPEWORK

APT® XP pipework provides a highly flexible pipework solution that makes installation simple and easy in any weather condition or site configuration. XP pipework can be used in both pressure and suction applications, and is ideal for underground service station fuel delivery systems. The XP pipework system features controlled flexibility, even in low temperatures, permitting fast, easy installation.



HIGHLIGHTS

- Available in 1", 1½", 1¾" and 2" diameters in a variety of coil lengths.
- The D-Series piping is a single wall, direct bury piping.
- The SC-Series piping provides additional environmental security as a secondary contained direct bury pipe.
- XP pipe features a 3 ft. bend radius for all pipe diameters making it one of the most flexible, yet durable fuel pipes available.
- No possibility of piping layer delamination due to the layered piping construction of high-grade material.
- With long coils (1000+ ft.) and simple fittings, XP pipework can be installed quickly without specialized tools in any weather.

Reel Dimensions

Reel Size	Inches*	cm*
Master	91 × 33 × 74	231.1 × 83.8 × 187.9
Super Master (S. Mast.)	91 × 52 × 74	231.1 × 132.1 × 187.9

*Reel dia. × width × hub dia.

Pipe Dimensions

Model	ID ± 0.010 Primary Layer	OD ± 0.020 Primary Layer	OD ± 0.030 SC Jacket	OD ± 0.030 Scuff Guard	Minimum Bend Radius
XP-100-D	1"	1.27"	--	--	36"
XP-100-SC	1"	1.27"	1.47"	1.502"	36"
XP-150-D	1.40"	1.70"	--	--	36"
XP-150-SC	1.40"	1.70"	1.90"	1.925"	36"
XP-175-SC	1.65"	1.95"	2.15"	2.175"	36"
XP-200-D	2.04"	2.45"	--	--	36"
XP-200-SC	2.04"	2.45"	2.65"	2.675"	36"

SPECIFICATIONS

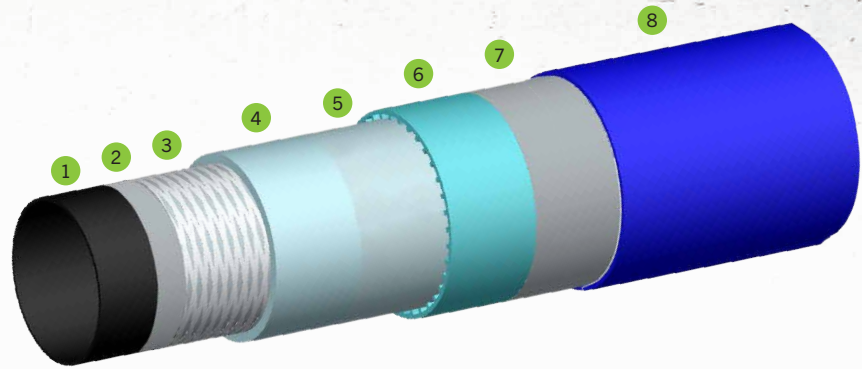
- Primary layer construction of Nylon 12 – the fuel line material contains no polyethylene.
- Do not store piping in direct sunlight.

Approvals/Certifications

- UL971 listed.
- UL971 listed for fuels including:
 - Motor vehicle fuels typically found in consumer dispensing facilities like gasoline or diesel including blended fuels with maximum 15% MTBE, 15% Methanol or 30% Ethanol.
 - Concentrated fuels such as alternate unblended fuels containing up to 100% concentrations of Toluene, Methanol or Ethanol.
 - High blend fuels with higher than normal gasoline blends with maximum 50% Methanol or 50% Ethanol.
 - Aviation and marine specialty fuels containing up to 100% kerosene or leaded gasoline.
- Biodiesel compatibility:
 - Biodiesel up to 5% (B5)
 - Biodiesel up to 20% (B20)
 - Biodiesel at 97% - 100% (B99 / B100)
 - All ASTM defined biofuel blends

Components

- 1 Interior primary (Nylon 12)
- 2 Metallized Mylar
- 3 Nylon Braid
- 4 Exterior Primary (Nylon 12)
- 5 Clear Mylar
- 6 Secondary Jacket (Nylon 12)
- 7 Metallized Mylar
- 8 Scuff Guard (Nylon 12)



ORDERING INFORMATION

Model	Description	Ft.	Reel	Weight	
				Lbs.	Kg
XP-100-SC	1" secondary contained	250	Master	301	136
		500	Master	408	185
		2500	S. Master	1299	589
XP-100-D	1" single wall	250	Master	258	117
		500	Master	320	145
XP-150-SC	1½" secondary contained	250	Master	333	151
		500	Master	470	213
		1,000	S. Master	789	358
		1,500	S. Master	1061	481
XP-150-D	1½" single wall	250	Master	270	122
		500	Master	570	259
		1,000	S. Master	536	243
		1,500	S. Master	686	311
XP-175-SC	1¾" secondary contained	250	Master	405	184
		500	Master	580	263
		1,000	S. Master	1076	488
XP-200-SC	2" secondary contained	250	Master	552	250
		500	S. Master	914	415
XP-200-D	2" single wall	250	Master	427	194
		500	S. Master	664	301

XP MARINA/ ABOVEGROUND PRODUCT PIPING



APT® metallic ducted (MD) pipe is the ideal choice for aboveground and marina fuel delivery systems. The MD-Series piping system contains our XP product piping inside a flexible metallic conduit. This superior construction adds fire protection, impact resistance, and UV stability to what is already the highest quality piping system. The MD-Series pipe is shipped with single wall or secondary contained pipe already installed into the metallic jacket, reducing installation time in the field. For marinas, the flexibility of this product easily handles variation in water levels and can be installed alongside or under docks.

HIGHLIGHTS

APT®'s XP marina/aboveground piping consists of XP pipe encased in metallic conduit, making it impact resistant and UV and fire protected.

SPECIFICATIONS

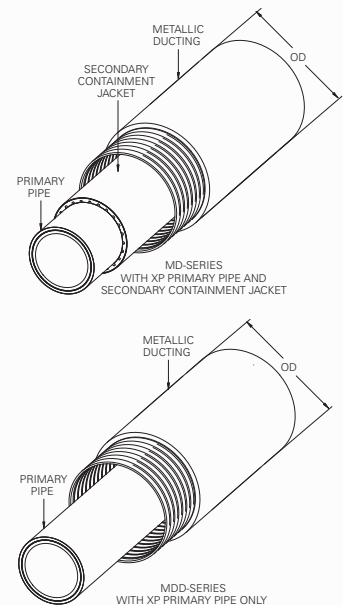
Reel Size	Inches*	cm*
Master	91 × 33 × 74	231.1 × 83.8 × 187.9
Super Master (S. Mast.)	91 × 52 × 74	231.1 × 132.1 × 187.9

*Reel dia. × width × hub dia.

ORDERING INFORMATION

Model	Description	Primary Pipe	Ducting	Ducting OD	Ft	Reel	Weight	
							Lbs	Kg
XP-100-MD-250 XP-100-MD-500	1" secondary contained inside metallic duct	XP-100-SC	MD-200	2.36"	250 500	Master Master	628 1,441	285 654
XP-100-MDD-250 XP-100-MDD-500	1" single wall inside metallic duct	XP-100-D	MD-150	1.88"	250 500	Master Master	566 1,316	257 597
XP-150-MD-250 XP-150-MD-500	1½" secondary contained inside metallic duct	XP-150-SC	MD-250	2.85"	250 500	Master S. Master	755 1,700	342 771
XP-150-MDD-250 XP-150-MDD-500	1½" single wall inside metallic duct	XP-150-D	MD-200	2.36"	250 500	Master Master	705 1,594	320 723
XP-175-MD-250 XP-175-MD-500	1¾" secondary contained inside metallic duct	XP-175-SC	MD-250	2.85"	250 500	Master S. Master	826 1,843	375 836
XP-200-MD-250	2" secondary contained inside metallic duct	XP-200-SC	MD-300	3.5"	250	S. Master	1,804	416
XP-200-MDD-250	2" single wall inside metallic duct	XP-200-D	MD-300	3.5"	250	S. Master	1,592	360

Note: Please contact customer service for availability and lead times.



XP PIPE DUCTING

APT® brand 4" XP Pipe ducting allows for simple and easy pipe removal without the need for extensive excavation. The 4" inside diameter of the ducting allows XP pipe to easily slide through during installation or removal. This updated design features integrated flat, non-corrugated sections which provide flat sealing surfaces for tight entry boot connections.

HIGHLIGHTS

- Thick, corrugated polyethylene construction prevents collapse under the weight of backfill.
- Entries into sump walls are made easy with rigid or rubber ducted entry boot options available in all XP pipe diameters.
- Combine ducting with APT® rigid entry boots to form a watertight seal.
- Integrated flat, non-corrugated sections provide flat sealing surfaces for tight entry boot connections.
- Installs directly to entry boot with no need for an extra bushing or V-seal.
- Recommended for future-proofing sites for pipe changes or as an empty line for future added lines.
- Available in 100' or 250' length coils.

ORDERING INFORMATION

Model	Description
DUCT-400-100	XP pipe ducting, 100 ft. coil
DUCT-400-250	XP pipe ducting, 250 ft. coil

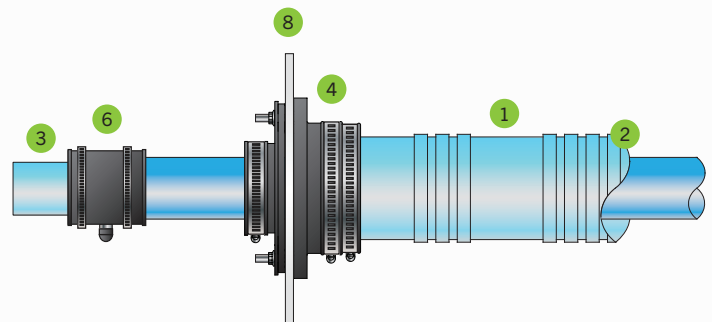


SPECIFICATIONS

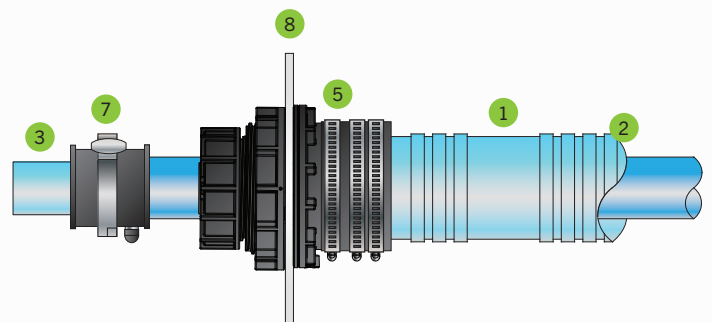
Installation

- 1 XP Ducting
- 2 XP Pipe (secondary layer outside of sump)
- 3 XP Pipe (primary layer exposed inside sump)
- 4 Ducted rubber entry boot (sold separately)
- 5 Ducted rigid entry boot (sold separately)
- 6 Rubber test boot
- 7 Rigid split test boot
- 8 Sump wall

Rubber Entry Boot Application



Rigid Entry Boot Application





RCRX.MH6262 Pumps, Power Operated, Flammable Liquid

[Page Bottom](#)

Pumps, Power Operated, Flammable Liquid

[See General Information for Pumps, Power Operated, Flammable Liquid](#)

FRANKLIN FUELING SYSTEMS INC
3760 MARSH RD
MADISON, WI 53718-6900 USA

MH6262

Submersible type transfer pump-motor assembly, Model STP with or without T, with or without AG or AP, with or without F, with or without H, with or without R, with or without V, with or without W, with or without K, with or without M, followed by 33, 75, 150, 200, VS2 or VS4, may be followed by A, B, C or J, followed by -XXX, where X is any numeric character or VL1, VL1.5, VL2 or VL3, followed by two characters. All models have been evaluated for use with gasoline-ethanol blends with concentrations from E0 to E10 (up to E85 for models with suffix AG or AP). Models with AG or AP suffix have also been evaluated for diesel/biodiesel blends with nominal biodiesel concentrations up to 20 percent biodiesel (B20) and biodiesel (B100). Models with suffix VS2 are only for use with Model IST-VFC or MAG-VFC motor controllers. Models with suffix VS4 are only for use with MAG-VFC motor controller.

Model STP with or without AG, F, R, S or T, with or without AG, followed by 3, followed by D, followed by -XXX-XX where X may be any numeric character.

Model STP with or without AG, F, R, S or T, with or without AG, followed by 5, followed by C, D, G, or H, followed by -XXX-XX where X may be any numeric character.

All models have been evaluated for use with gasoline-ethanol blends with concentrations from E0 to E10, 20 percent ETBE or MTBE with 80 percent gasoline, and 17 percent TAME with 83 percent gasoline.

Submersible type transfer pump-motor assembly, Models IST or IST VS4 with or without T, with or without AP, with or without F, with or without R, with or without V, with or without W, with or without K, with or without M, followed by 1, 2, 3, VL1, VL1.5, VL2 or VL3, followed by two characters, Model IST only for use with Model IST-VFC or MagVFC motor controller, Model IST VS4 only for use with Model MagVFC motor controller. IST Models have been evaluated for use with gasoline-alcohol blends with alcohol concentrations from E0 to E85. Also evaluated for diesel/biodiesel blends with nominal biodiesel concentrations up to 20 percent biodiesel (B20), and biodiesel (B100).

Submersible type transfer pump-motor assembly, Models 9000-01, 9000-02. Maximum outlet pressure 50 psi. Models have been evaluated for use with Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum).

Transfer pump-motor assembly, Model VP500. Maximum outlet pressure 50 psi. Models have been evaluated for use with Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum).

Model 2000C. Maximum outlet pressure 50 psi. Models have been evaluated for use with Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum).

Models VP500/C1, VP500/C2. Maximum outlet pressure 50 psi. Models have been evaluated for use with Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum).

Trademark and/or Tradename: "F. E. Petro", "HEALY"

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USA
Phone: (860) 651-2700
Fax: (869) 651-2719

January 13, 2011

Concerned Regulatory Agency

Re: Veeder-Root Compatibility with E85

To whom it may concern:

Veeder-Root TLS branded automatic tank gauging products have UL listings for product safety. The wetted component materials used with the below listed products are deemed by Veeder-Root to be compatible with ethanol 85 applications.

<u>VR Part Number</u>	<u>Description</u>
848480-003	Pressurized Line Leak Detector
846391-4XX, 5XX, 6XX	Mag Plus Probes for Alternative Fluids without water detection
846400-004,304,104	Mag Float Kit (5" cable) for Alternative Fluids 4", 3" & 2" floats
846400-014,314,114	Mag Float Kit (10" cable) for Alternative Fluids 4", 3" & 2" floats
846400-024,324,124	Mag Float Kit (20" cable) for Alternative Fluids 4", 3" & 2" floats
794380-323	Position Sensitive Pan/Sump Sensor
794380-344	MicroSensor
794380-345	Interstitial Solid State Sensor for Fiberglass Tanks
794380-430	Interstitial Sensor for Steel Tanks

The following sensor is exposed to Brine and is not of concern in an E85 application.

794380-301 Hydrostatic Sensor

Please contact Veeder-Root Technical Support at 1-800-323-1799 with further questions.

Regards,

Bob Moss
VP Engineering

UL 2447 LISTED PRODUCTS

The UL 2447 requirement evaluates the safety of containment products intended for below or at grade use, which house, transfer or otherwise come in contact with fuel. The following is a listing of all Franklin Fueling Systems UL 2447 listed products.

COMPATIBLE FUELS

Automotive Fuels - only those fuels formulated in accordance with 40CFR80, "Regulation of Fuels and Fuel Additives," and meeting the following ASTM fuel specifications and blend limits:

- ASTM D975 diesel with or without biodiesel blends up to 5% (B5)
- ASTM D7467 diesel with biodiesel blends between 6% - 20% (B6 - B20)
- ASTM D4814 gasoline with ethanol blends up to 10% (E10)
- ASTM D5798 high-blend ethanol, with ethanol/gasoline blends between 51% - 83% (E51 - E83) - commercially known as "E-85"
- Mid-range ethanol, with ethanol/gasoline blends of ASTM D4814 and ASTM D5798 blends between 11% - 50% (E11 - E50)

TANK, DISPENSER, AND TRANSITION SUMPS

Part Number	Description
TSD-4542-IPB	TSD-4542 W/ SPECIAL IP
TSD-4736-IP	SRS/TNK SUMP-DEEP-36" MH W/ IP
TSD-4736-IPB	TSD-4736 W/ SPECIAL IP
TSD-W-4736	TNK SUMP-DEP BURY 36"ACCESS CV
TSM-4542-IPB	TSM-4542 W/ SPECIAL IP
TSM-4736	SRS- TNK SMP-MED.BURY 36"MNHLE
TSM-4736-IPB	TSM-4736 W/ SPECIAL IP
TSM-W-4736	TNK SUMP-MED BURY 36"ACCESS CV
TSS-4542	TNK SUMP-SHALLOW BURIAL 42" MH
TSS-4542-IPB	TSS-4542 W/ SPECIAL IP
DHW-3617	DISPENSER SUMP, 36X17 ASSEMBLY
LMD-1410	LMD DISPENSER SUMP 13.5 X 9.75
LMD-1913-T	LMD DISPENSER SUMP 19 X 12 TOKHEIM
LMD-2010	LMD DISPENSER SUMP 20.5 X 10
LMD-2018	LMD DISPENSER SUMP 20.8 X 18.3
LMD-2313-T	LMD DISPENSER SUMP ASSEMBLY 23X12
LMD-2407	LMD DISPENSER SUMP ASSEMBLY 23.75X7.5
LMD-2715	LMD DISPENSER SUMP-27 X 15
LMD-2811	LMD DISPENSER SUMP ASSEMBLY 28.5 X 11
LMD-2915	LMD DISPENSER SUMP 29.75 X 15.75
LMD-3610	LMD DISPENSER SUMP 36 X 10.25
LMD-3617	LMD DISPENSER SUMP 36X17.25
LMD-3914	LMD DISPENSER SUMP ASSEMBLY 38.75 X 14
LMD-3914-36-W	LMD DISPENSER SUMP ASSEMBLY 38.75x14,W
LMD-4018	LMD DISPENSER SUMP 39.75 X 17.75
LMD-4111	LMD DISPENSER SUMP 41.5 X 11
LMD-4115	LMD DISPENSER SUMP 41.5 X 15.75
LMM-1410	LMM DISPENSER SUMP 13.5 X 9.75
LMM-1913-T	LMM DISPENSER SUMP 19 X 12 TOKHEIM
LMM-2010	LMM DISPENSER SUMP 20.5 X 10
LMM-2018	LMM DISPENSER SUMP 20.8 X 18.3
LMM-2313-T	LMM DISPENSER SUMP ASSEMBLY 23 X 12
LMM-2407	LMM DISPENSER SUMP ASSEMBLY 23.75X7.5
LMM-2410-T-M	LMM DISPENSER SUMP ASSEMBLY 24 X 10
LMM-2715	LMM DISPENSER SUMP-27 X 15
LMM-2811	LMM DISPENSER SUMP ASSEMBLY 28.5 X 11
LMM-2915	LMM DISPENSER SUMP 29.75 X 15.75
LMM-2916-DEF	DEF-LMM DISPENSER SUMP 29.0X16.25
LMM-3610	LMM DISPENSER SUMP 36 X 10.25
LMM-3617	LMM DSPENSER SUMP 36.0X17.25
LMM-3617-36-CGS	LMM DISPENSER SUMP
LMM-3617-DEF	DEF-LMM DISPENSER SUMP 36.0X17.25
LMM-3914	LMM DISPENSER SUMP ASSEMBLY 38.75 X 14
LMM-3914-36-W	LMM DISPENSER SUMP ASSEMBLY 38.75x14,W
LMM-4018	LMM DISPENSER SUMP 39.75 X 17.75
LMM-4111	LMM DISPENSER SUMP 41.5 X 11
LMM-4115	LMM DISPENSER SUMP 41.5 X 15.75

Part Number	Description
LMT-1410	LM TOP ASSEMBLY 14" X 10.25
LMT-1913-T	LM TOP ASSEMBLY-19"X12" TOKHEIM
LMT-2010	LM TOP ASSEMBLY 20.5" X 10.375
LMT-2018	LM TOP ASSEMBLY 20.8" X 18.3
LMT-2313-T	TOP FRAME ADPTR GII 23 X 12
LMT-2407	TOP FRAME ADPTR GII 23.75X7.5
LMT-2715	LM DISPENSER TOP ASSEMBLY 27 X 15
LMT-2811	TOP FRAME ADPTR GII 28.5X11.0
LMT-2915	LM TOP ASSEMBLY 29.75"X15.75
LMT-3610	LM TOP ASSEMBLY 36" X 1-.25"
LMT-2916-DEF	LM TOP DEF ASSEMBLY 29.0" X 16.25
LMT-3617-36	TOP FRAME ASSEMBLY 36X17.25 36"SUMP
LMT-3617-DEF	LM TOP DEF ASSEMBLY 36.0" X 17.25
LMT-3914	TOP FRAME ADPTR GII 38.75X14.0
LMT-3914-36-W	TOP FRAME ASSEMBLY 36X17.25 36"SUMP
LMT-4018	LM TOP ASSEMBLY 40" X 18
LMT-4111	LM TOP ASSEMBLY 41.5" X 11
LMT-4115	LM TOP ASSEMBLY 41" X 15
LMD-2313-T-S	LMD DISPENSER SUMP 23X12 FRP
LMD-2407-S	LMD DISPENSER SUMP 23.75x7.5 FRP
LMD-2715-S	LMD DISPENSER SUMP 27X15 FRP
LMD-2811-S	LMD DISPENSER SUMP 28X11.5 FRP
LMD-2915-S	LMD DISPENSER SUMP 29.75X15.75FRP
LMD-3617-S	LMD DISPENSER SUMP 36.0X17.25 FRP
LMD-4113	LMD DISPENSER SUMP ASSEMBLY 41.5X13.2
LMM-1410-D	LMM DISPENSER SUMP 13.5 X 9.75 FRP
LMM-1410-S	LMM DISPENSER SUMP 13.5 X 9.75 FRP
LMM-1913-T-D	LMM DISPENSER SUMP 19X13 FRP
LMM-1913-T-S	LMM DISPENSER SUMP 19X13 FRP
LMM-2010-D	LMM DISPENSER SUMP 20X10.5 FRP
LMM-2010-S	LMM DISPENSER SUMP 20X10.5 FRP
LMM-2018-D	LMM DISPENSER SUMP 20.8X18.3 FRP
LMM-2018-S	LMM DISPENSER SUMP 20.8X18.3 FRP
LMM-2313-T-D	LMM DISPENSER SUMP 23X12 FRP
LMM-2313-T-S	LMM DISPENSER SUMP 23X12 FRP
LMM-2407-D	LMM DISPENSER SUMP 23.75x7.5 FRP
LMM-2407-S	LMM DISPENSER SUMP 23.75x7.5 FRP
LMM-2715-D	LMM DISPENSER SUMP 27X15 FRP
LMM-2715-S	LMM DISPENSER SUMP 27X15 FRP
LMM- 2811-D	LMM DISPENSER SUMP 28X11.5 FRP
LMM-2811-S	LMM DISPENSER SUMP 28X11.5 FRP
LMM-2915-D	LMM DISPENSER SUMP 29.75X15.75FRP
LMM-2915-S	LMM DISPENSER SUMP 29.75X15.75FRP

Continued on following page.

TANK, DISPENSER, AND TRANSITION SUMPS CONTINUED

Part Number	Description
LMM-3610-D	LMM DISPENSER SUMP 36X10.25 FRP
LMM-3610-S	LMM DISPENSER SUMP 36X10.25 FRP
LMM-3617-D	LMM DISPENSER SUMP 36.0X17.25 FRP
LMM-3617-S	LMM DISPENSER SUMP 36.0X17.25 FRP
LMM-3914-36-W-D	LMM DISPENSER SUMP 38.75x14,FRP
LMM-3914-36-W-S	LMM DISPENSER SUMP 38.75X14 FRP
LMM-3914-D	LMM DISPENSER SUMP 38.75X14 FRP
LMM-3914-S	LMM DISPENSER SUMP 38.75X14 FRP
LMM-4018-D	LMM DISPENSER SUMP 39.75X17.57FRP
LMM-4018-S	LMM DISPENSER SUMP 39.75X17.57FRP
LMM-4111-D	LMM DISPENSER SUMP 41.5X11 FRP
LMM-4111-S	LMM DISPENSER SUMP 41.5X11 FRP
LMM-4115-D	LMM DISPENSER SUMP 41.5X15.75FRP
LMM-4115-S	LMM DISPENSER SUMP 41.5X15.75FRP
LMT-2913	TOP FRAME GII 29.75 X 15.25
LMM-2407-SW-R	SW UNDERDISPENSER SUMP,23.75x7.5x36
DP-1816	DISPENSER PAN 13 3/4 X 11 1/4
DP-2014	DISPENSER PAN 16 1/2 X 10 1/2
DP-2816	DISPENSER PAN 23 X 11 3/4
DP-4721	DISPENSER PAN 42 X 16
DS3617 ENCORE	SUMP,PE,ENCORE BASE,UPP
DS3915 OVATION	SUMP,PE,WAYNE BASE,UPP
AST-2922	AST-TRANSITION SUMP
IPS-2424	INTERMED. PIPING SUMP-24
IPS-3636	INTERMED. PIPING SUMP-36
TS-2430	TRANSITION SUMP 24" BASE
TS-3630	SHALLOW BURY 36" SUMP
TS-4230	STD BURY 42" TANK SMP
TS-KIT	TS-3630/4230 RETRO FIT KIT
TM4236-0/0-OB-S	TS,MB,42"R,36"MH,O BS W/BTM,SW
TM4236-0/0-OC-H	TS,MB,42"R,36"MH,O BS,DW,HYDRO
TM4236-0/0-OC-S	TS,MB,42"R,36"MH,O BASE,SW
TM4236-0/0-OC-V	TS,MB,42"R,36"MH,O BS,DW,VACUM
TM4836-0/0-OC-H	TS,MB,48"R,36"MH,O BS,DW,HYDRO
TM4836-0/0-OC-V	TS,MB,48"R,36"MH,O BS,DW,VACUM
TMA4236-0/0-RC-S	TS,MB,42"R,36"MH,SW,W/BOND ADP
TMA4836-0/0-OB-S	TS,MB,48"R,36"MH,SW,W/BOND ADP
TMA4836-0/0-OC-S	TS,MB,48"R,36"MH,SW,W/BOND ADP
TMA4836-0/0-RC-S	TS,MB,48"R,36"MH,SW,W/BOND ADP
TMA4842-0/0-OB-S	TS,MB,48"R,42"MH,SW,W/BOND ADP
TMA4842-0/0-OC-S	TS,MB,48"R,42"MH,SW,W/BOND ADP
TD4236-0/0-OB-S	TS,DB,42"R,36"MH,O BS W/BTM,SW
TD4236-0/0-OC-S	TS,DB,42"R,36"MH,O BASE,SW
TD4836-0/0-OC-H	TS,DB,48"R,36"MH,O BS,DW,HYDRO
TD4836-0/0-OC-V	TS,DB,48"R,36"MH,O BS,DW,VACUM
TDA4236-0/0-RC-S	TS,DB,42"R,36"MH,SW,W/BOND ADP
TDA4836-0/0-OB-S	TS,DB,48"R,36"MH,SW,W/BOND ADP
TDA4836-0/0-OC-S	TS,DB,48"R,36"MH,SW,W/BOND ADP
TDA4836-0/0-RC-S	TS,DB,48"R,36"MH,SW,W/BOND ADP
DMM4236-1/0-OB-S	DMPS,MB,42"R,36"MH,BASE W/B,SW
DMM4236-1/0-OC-H	DMPS,MB,42"R,36"MH,BASE,DW,H
DMM4236-1/0-OC-S	DMPS,MB,42"R,36"MH,BASE,SW
DMM4236-2/1-OB-S	DMPS,MB,42"R,36"MH,BASE W/B,SW
DMM4236-2/1-OC-H	DMPS,42"R,36"MH,BASE,DW,H
DMM4236-2/1-OC-S	DMPS,42"R,36"MH,BASE,SW
DMM4836-2/1-OC-S	DMPS,48"R,36"MH,BASE,SW
DMM4842-4/0-OC-H	DMPS,MB,48"R,42"MH,BASE,DW,H
DMM4842-4/0-OC-S	DMPS,MB,48"R,42"MH,BASE,SW

Part Number	Description
TSS-4236	WTSS,42/36 RDCR,TURBINE COVER
TSS-4836	WTSS,48/36 RDCR,TURBINE COVER
TSS-XS36	WTSS,XERXES RDCR,TURBINE
TSS-36	SUMP SHIELD,WT,36" TURBINE
TSS-42	SUMP SHIELD,WT,42" TURBINE

SPILL CONTAINERS

Part Number	Description
70245001NC	RETRO,5BG,PUMP,18"x8"MH,NC
70245001ORG	RETRO,5BG,PUMP,18"x8"MH,ORG
70245001RED	RETRO,5BG,PUMP,18"x8"MH,RED
70245001STL	RETRO,5BG,PUMP,18"x8"MH,STL
70245001WHT	RETRO,5BG,PUMP,18"x8"MH,WHT
70245001YEL	RETRO,5BG,PUMP,18"x8"MH,YEL
70245065	RETRO,5BG(CAN),PUMP,18x8MH
70245065BLK	RETRO,5BG(CAN),PUMP,18x8MH,BLK
70245065ORG	RETRO,5BG(CAN),PUMP,18x8MH,ORG
70245065RED	RETRO,5BG(CAN),PUMP,18x8MH,RED
70245065WHT	RETRO,5BG(CAN),PUMP,18x8MH,WHT
70245065YEL	RETRO,5BG(CAN),PUMP,18x8MH,YEL
70547401BLK	5BG,MB,P/P,18"x8"MH,BLK
70547401NC	5BG,MB,P/P,18"x8"MH,NC
70547401ORG	5BG,MB,P/P,18"x8"MH,ORG
70547401RED	5BG,MB,P/P,18"x8"MH,RED
70547401STL	5BG,MB,P/P,18"x8"MH,STL
70547401WHT	5BG,MB,P/P,18"x8"MH,WHT
70547401YEL	5BG,MB,P/P,18"x8"MH,YEL
70547402BLK	5BG,MB,NO DRN,18"x8"MH,BLK
70547465BLK	5BG(CAN),MB,P/P,18"x8"MH,BLK
70547465NC	5BG(CAN),MB,P/P,18"x8"MH,NC
70547465ORG	5BG(CAN),MB,P/P,18"x8"MH,ORG
70547465RED	5BG(CAN),MB,P/P,18"x8"MH,RED
70547465STL	5BG(CAN),MB,P/P,18"x8"MH,STL
70547465WHT	5BG(CAN),MB,P/P,18"x8"MH,WHT
70547465YEL	5BG(CAN),MB,P/P,18"x8"MH,YEL
70547765BLK	5BG(CAN),MB,P/P,18"x24"MH,BLK
70547765NC	5BG(CAN),MB,P/P,18"x24"MH,NC
705477NDBLK	5BG,MB,NO DRN,18"x24"MH,BLK
705477NDNC	5BG,MB,NO DRN,18"x24"MH,NC
705477NDORG	5BG,MB,NO DRN,18"x24"MH,ORG
705477NDRED	5BG,MB,NO DRN,18"x24"MH,RED
705477NDWHT	5BG,MB,NO DRN,18"x24"MH,WHT
705477NDYEL	5BG,MB,NO DRN,18"x24"MH,YEL
70549201BLK	5BG(CARB),MB,DRN,18"x8"MH,BLK
70549201RED	5BG(CARB),MB,DRN,18"x8"MH,RED
70549201WHT	5BG(CARB),MB,DRN,18"x8"MH,WHT
70549201YEL	5BG(CARB),MB,DRN,18"x8"MH,YEL
70549202BLK	5BG(CARB),MB,ND,18"x8"MH,BLK
70549202ORG	5BG(CARB),MB,ND,18"x8"MH,ORG
70549202RED	5BG(CARB),MB,ND,18"x8"MH,RED
70549202WHT	5BG(CARB),MB,ND,18"x8"MH,WHT
70549202YEL	5BG(CARB),MB,ND,18"x8"MH,YEL
70549212BLK	5BG,E85,MB,ND,18x8MH,BLK
71544601BLK	15BG,MB,CAPD,18"x8"MH,BLK
71547401BLK	15BG,MB,P/P,18"x8"MH,BLK
71547401BRN	15BG,MB,P/P,18"x8"MH,BRN
71547401NC	15BG,MB,P/P,18"x8"MH,NC

Continued on following page.

SPILL CONTAINERS CONTINUED

Part Number	Description
71547401ORG	15BG,MB,P/P,18"x8"MH,ORG
71547401RED	15BG,MB,P/P,18"x8"MH,RED
71547401STL	15BG,MB,P/P,18"x8"MH,STL
71547401WHT	15BG,MB,P/P,18"x8"MH,WHT
71547401YEL	15BG,MB,P/P,18"x8"MH,YEL
71547465BLK	15BG(NYCCAN)MB,PP,18"x8"MH,BLK
71547465NC	15BG(NYC/CAN)MB,PP,18"x8"MH,NC
71547465RED	15BG(NYCCAN)MB,PP,18"x8"MH,RED
71547465STL	15BG(NYCCAN)MB,PP,18"x8"MH,STL
71547465WHT	15BG(NYCCAN)MB,PP,18"x8"MH,WHT
71547465YEL	15BG(NYCCAN)MB,PP,18"x8"MH,YEL
71549201BLK	15BG(CARB)MB,DRN,18"x8"MH,BLK
71549202BLK	15BG(CARB)MB,ND,18"x8"MH,BLK
71549202ORG	15BG(CARB)MB,ND,18"x8"MH,ORG
71549202RED	15BG(CARB)MB,ND,18"x8"MH,RED
71549202WHT	15BG(CARB)MB,ND,18"x8"MH,WHT
705556101	5BG,DW,I2,DN,NPSM
705556101BLK	5BG,DW,I2,DN,NPSM,BLK
705556102	5BG,DW,I2,ND,NPSM,18X24
705556102BLK	5BG,DW,I2,ND,NPSM,18X24,BLK
705556111	5BG,DW,I2,DN,NPT,NO,CVR
705556111BLK	5BG,DW,I2,DN,NPT,BLK
705556112	5BG,DW,I2,ND,NPT,18X24
705556112BLK	5BG,DW,I2,ND,NPT,18X24,BLK
705556121	5BG,DW,I2,DN,BSPT
705556121BLK	5BG,DW,I2,DN,BSPT,BLK
705556122	5BG,DW,I2,ND,BSPT,18X24
705556122BLK	5BG,DW,I2,ND,BSPT,18X24,BLK
705556201BLK	5BG,DW,SEN,NPSM,DN,BLK
705556202BLK	5BG,DW,SEN,ND,NPSM,18X24,BLK
705556211BLK	5BG,DW,SEN,NPT,DN,BLK
705556212BLK	5BG,DW,SEN,ND,NPT,18X24,BLK
705556221BLK	5BG,DW,SEN,BSPT,DN,BLK
705556222BLK	5BG,DW,SEN,ND,BSPT,18X24,BLK
705545001CI-GKT	5GAL,AGB,SW,DN,NPSM,CI-GKT
705545002CI-GKT	5GAL,AGB,SW,ND,NPSM,CI-GKT
705545011CI-GKT	5GAL,AGB,SW,DN,NPT,CI-GKT
705545011CI-GRN	5GAL,AGB,SW,DN,NPT,CI-GRN
705545011CI-RED	5GAL,AGB,SW,DN,NPT,CI-RED
705545011CI-WHT	5GAL,AGB,SW,DN,NPT,CI-WHT
705545012CI-GKT	5GAL,AGB,SW,ND,NPT,CI-ORG
705545012CI-ORG	5GAL,AGB,SW,ND,NPT,CI-ORG
705545012CI-RED	5GAL,AGB,SW,ND,NPT,CI-RED
705545012CI-WHT	5GAL,AGB,SW,ND,NPT,CI-WHT
705545012CI-YEL	5GAL,AGB,SW,ND,NPT,CI-YEL
705545021CI-GKT	5GAL,AGB,SW,DN,BSPT,CI-GKT
705545022CI-GKT	5GAL,AGB,SW,ND,BSPT,CI-GKT
705555011CI-GKT	5GAL,AGB,DW,DN,NPT,CI-GKT,PSIS
705555101CI-GKT	5GAL,AGB,DW,I2,DN,NPSM,CI-GKT
705555102CI-GKT	5GAL,AGB,DW,I2,ND,NPSM,CI-GKT
705555111CI-GKT	5GAL,AGB,DW,I2,DN,NPT,CI-GKT
705555112CI-GKT	5GAL,AGB,DW,I2,ND,NPT,CI-GKT
705555112CI-ORG	5GAL,AGB,DW,I2,ND,NPT,ORG
705555112CI-RED	5GAL,AGB,DW,I2,ND,NPT,RED
705555112CI-WHT	5GAL,AGB,DW,I2,ND,NPT,WHT
705555112CI-YEL	5GAL,AGB,DW,I2,ND,NPT,YEL
705555201CI-GKT	5GAL,AGB,DW,SEN,DN,NPSM,CI-GKT
705555202CI-GKT	5GAL,AGB,DW,SEN,ND,NPSM,CI-GKT
705555211CI-GKT	5GAL,AGB,DW,SEN,DN,NPT,CI-GKT
705555212CI-GKT	5GAL,AGB,DW,SEN,ND,NPT,CI-GKT

SUMP ACCESSORIES

Part Number	Description
SBK-1	STABILIZER BAR KIT #1
SBK-2	STABILIZER BAR KIT #2
SBK-3	STABILIZER BAR KIT #3
SBK-25	STABILIZER BAR KIT #25
STB-150-K	SC TEST BOOT ASSEMBLY - 1.50" KIT
STB-175-K	SC TEST BOOT ASSEMBLY,1.75"FOR KIT
STB-200-K	SC TEST BOOT ASSEMBLY 2.00" FOR KIT
STB-150	SC TEST BOOT ASSEMBLY 1.50
STB-175	SC TEST BOOT ASSEMBLY 1.75
STB-200	SC TEST BOOT ASSEMBLY 2.00
49-040-032-TP	REDUCER, WELD, SC, 40/32MM, TP
49-063-050	REDUCER, WELD, SC, 63/50 MM
49-063-050-TP	REDUCER,WELD,SC,63/50 MM,TP
49-075-063-1	REDUCER,WELD,SC,75/63 MM
49-075-063-TP-1	REDUCER,WELD,SC,75/63 MM,TP
49-110-063(SC)	SC SLIDING REDUCER,110/63 MM
49-110-075(SC)	SC SLIDING REDUCER,110/75 MM
49-040-032	REDUCER, WELD, SC, 40/32/MM
49-110-090	REDUCER,SC,TERM,110/90mm
49-110-090-TP	REDUCER,SC,TERM,110/90mm,TP
49-125-110	REDUCER,SC,TERM,125/110mm
49-125-110-TP	REDUCER,SC,TERM,125/110mm,TP
49-075-063TP1-U-K	REDUCER,WELD,SC,2"DW/1.5",TP
49-063-050-U	REDUCER,WELD,SC,1.5"DW/1.5
49-063-050TP-U	REDUCER,WELD,SC,1.5"DW/1.5",TP
49-075-063-1-U	REDUCER,WELD,SC,2"DW/1.5
49-075-063TP1-U	REDUCER,WELD,SC,2"DW/1.5",TP
49-110-063SC-U	REDUCER,WELD,SC,4"DW/1.5
49-110-075SC-U	REDUCER,WELD,SC,4"DW/2
49-110-090-U	REDUCER,SC,TERM,110/90mm
49-110-090TP-U	REDUCER,SC,TERM,110/90mm,TP
49-125-110-U	REDUCER,SC,TERM,125/110mm
49-125-110TP-U	REDUCER,SC,TERM,125/110mm,TP
49-031-027	REDUCER,WELD,EC,31/27 MM
49-038-033	REDUCER,WELD,EC,38/33 MM
49-063-031	REDUCER,WELD,EC,63/31 MM
49-063-038	REDUCER,WELD,EC,63/38 MM
MA-22	22" TANK MANWAY ADAPTOR
MA-24	24" TANK MANWAY ADAPTOR
TFA-400-II	4 " TANK FITTING ADAPTOR ASSEMBLY GEN 2
TFA-600	6" TANK FITTING ADAPTOR
DMP36-1-WTSS-32	36" DMP WTSS,32" RISER,OSC
DMP36-1-WTSS-33	36" DMP WTSS,33" BNK RISER,OSC
DMP36-1-WTSS-42	36" DMP WTSS,42" RISER,OSC
DMP36-1-WTSS-48	36" DMP WTSS,48" RISER,OSC
DMP36-2-WTSS-32	36" DMP WTSS,32" RISER,TSC,1AP
DMP36-2-WTSS-33	36"DMP WTSS,33"BNK RIS,OSC 1AP
DMP36-2-WTSS-42	36" DMP WTSS,42" RISER,TSC,1AP
DMP36-2-WTSS-48	36" DMP WTSS,48" RISER,TSC,1AP
DMP42-1-WTSS-42	42" DMP WTSS,42" RISER,OSC
DMP42-2-WTSS-42	42"DMP WTSS,42" RISER,TSC,1AP
DMP42-4-WTSS-42	42" DMP WTSS, 42" RISER,FSC,1AP

PENETRATION FITTINGS

Part Number	Description
FEB-050-D	FLEXIBLE ENTRY BOOT-.5" D PIPE
FEB-050-SC	FLEXIBLE ENTRY BOOT-.5"SC PIPE
FEB-075-D2	FLEXIBLE ENTRY BOOT-.75 DOUBLE PIPE
FEB-110-M	ENTRY BOOT,3",DOUBLE SIDED,FRP
FEB-S-125	ENTRY BOOT,4",SINGLE SIDED,FRP
FEB-100-D	FLEXIBLE ENTRY BOOT 1" D PIPE
FEB-100-MD	FLEXIBLE ENTRY BOOT 1" MD SC PIPE
FEB-100-MDD	FLEXIBLE ENTRY BOOT 1" MD D PIPE
FEB-100-SC	FLEXIBLE ENTRY BOOT-1" SC PIPE
FEB-150-D	FLEXIBLE ENTRY BOOT 1.5 D PIPE
FEB-150-MD	FLEXIBLE ENTRY BOOT 1.5" MD SC PIPE
FEB-150-MDD	FLEXIBLE ENTRY BOOT 1.5" MD D PIPE
FEB-150-SC	FLEXIBLE ENTRY BOOT 1.5SC PIPE
FEB-175-D	FLEXIBLE ENTRY BOOT 1.75 D PIPE
FEB-175-SC	FLEXIBLE ENTRY BOOT 1.75 SC PIPE
FEB-075-M	ENTRY BOOT,2",DOUBLE SIDED,FRP
FEB-175-MD	FLEXIBLE ENTRY BOOT 1.75" MD SC PIPE
FEB-175-MDD	FLEXIBLE ENTRY BOOT 1.75" MD D PIPE
FEB-175-SCSA	FLEXIBLE ENTRY BOOT 1.75 SC PIPE
FEB-200-D	FLEXIBLE ENTRY BOOT 2" D PIPE
FEB-200-MD	FLEXIBLE ENTRY BOOT 2" MD SC PIPE
FEB-200-MDD	FLEXIBLE ENTRY BOOT 2" MD D PIPE
FEB-200-SC	FLEXIBLE ENTRY BOOT 2" SC PIPE
FEB-300	3" FLEXIBLE ENTRY BOOT
FEB-300-R	FLEXIBLE ENTRY BOOT - 3 RIGID
FEB-400-F	FLEXIBLE ENTRY BOOT-4" FLEX PIPE
FEB-400-R	FLEXIBLE ENTRY BOOT-4" RIGID PIPE
FWEB-150-SC	FLEXIBLE ENTRY BOOT - 1.5"SC PIPE
FWEB-175-SC	FLEXIBLE ENTRY BOOT - 1.75"SC PIPE
FWEB-200-SC	FLEXIBLE ENTRY BOOT - 1.75"SC PIPE
DEB-150-D	DUCTED ENTRY BOOT 1.5" D PIPE
DEB-150-DA	DEB W/AIR CHCUK 1.50" D-PIPE
DEB-150-SC	DUCTED ENTRY BOOT 1.5" SC PIPE
DEB-150-SCA	DEB W/AIR CHUCK 1.50" SC-PIPE
DEB-175-D	DUCTED ENTRY BOOT 1.75 D PIPE
DEB-175-DA	DEB W/AIR CHUCK 1.75" D-PIPE
DEB-175-SC	DUCTED ENTRY BOOT 1.75 SC PIPE
DEB-175-SCA	DEB W/AIR CHUCK 1.75' SC-PIPE
DEB-200-D	DUCTED ENTRY BOOT 2" D PIPE
DEB-200-DA	DUCTED ENTRY BOOT 2" D W/ AIR
DEB-200-SC	DUCTED ENTRY BOOT 2" SC PIPE
DEB-252-DA	DUCTED ENTRY BOOT 2SC/2.5D W/AIR
DEB-BL-DA	ENTRY BOOT,BLANK,PLUG
FDB-100-D	FLEXIBLE DBL ENTRY BOOT 1" D PIPE
FDB-100-SC	FLEXIBLE DBL ENTRY BOOT 1"SC PIPE
DDB-100-D	DBL DUCTED ENTRY BOOT 1" D PIPE
DDB-100-SC	DBL DUCTED ENTRY BOOT 1"SCPIPE
FBB-075-D	FLEXIBLE BULKHEAD BOOT-0.75 D
FBB-150-SC	FLEXIBLE BULKHEAD BOOT-1.5 SC
DDB-150-SC	DUCTED BULKHEAD BOOT FOR XP-150-SC
DDB-200-SC	DUCTED BULKHEAD BOOT FOR XP-200-SC
303-075-EIF	SEAL,FUSION,PRIMARY,75 MM,DW
303-075-EIF-U-K	SEAL,FUSION,PRIMARY,2"DW

Part Number	Description
303-063-EIF-U	SEAL,FUSION,PRIMARY,1.5"DW
303-075-EIF-U	SEAL,FUSION,PRIMARY,2"DW
303-050-EIF	SEAL,FUSION,PRIMARY,50 MM,DW
304-075-SB	SEAL BOOT KIT SPARE
304-110-050-TP	SEAL,ENTRY,FUSION, 110/50 W/TP
304-110-063-TP	SEAL,ENTRY,FUSION,110/63,TP
304-110-075-TP	SEAL,ENTRY,FUSION,110/75, W/TP
304-110-090	SEAL,ENTRY,FUSION,110/90
304-110-090-TP	SEAL,ENTRY,FUSION,110/90,W/TP
304-110-090TP-U	SEAL,ENTRY,FUSION,110/90,W/TP
304-110-090-U	SEAL,ENTRY,FUSION,110/90
304-110-TP	SEAL,ENTRY,FUSION, 110, W/TP
305-125-110	SEAL,ENTRY,FUSION,125/110
305-125-110-TP	SEAL,ENTRY,FUSION,125/110,W/TP
305-125-110TP-U	SEAL,ENTRY,FUSION,125/110,W/TP
305-125-110-U	SEAL,ENTRY,FUSION,125/110
305-3X27MM-CON	ENTRY 27MM RIGID CONDUIT
305-R-1	RING,FUSION UPP
305-SB	BOOT,SPARE,305 SEAL