



**MagShell**<sup>TM</sup>  
Patents 7,118,354 & 2,412,685  
ALCOHOL GASOLINE  
UL APPROVED FOR  
0-85% ETHANOL

TOTAL SYSTEM SOLUTIONS

# FUEL COMPATIBILITY REFERENCE GUIDE

A listing of all products listed by nationally recognized, independent testing organizations for underground storage tank system compatibility with blended fuels.

**NOT ALL PRODUCTS REQUIRE INDEPENDENT LISTINGS FOR COMPATIBILITY**

**Franklin Fueling Systems offers a wide range of additional products not found in this guide that have been self-tested for compatibility.**

## Service Station Hardware

Brands: EBW™, FLEX-ING™, PHIL-TITE™

Product	Models	UL/ULC File #	UL/ULC/CARB Standard	Gasoline / Ethanol Blends			Diesel / Biodiesel Blends		Heating Fuels	
				Up to E10	Up to E15	Up to E85	Up to B5	Up to B20	Kerosene	Fuel Oil
Shear valves	662 Series	MH9253	UL842, UL842A, UL842B	UL/ULC	UL/ULC	UL	UL/ULC	UL	UL/ULC	UL/ULC
Autolimiter overfill prevention valve	708 Series	MH21090	CAN/ULC-S661	ULC	ULC		ULC		ULC	ULC
Defender Series OPVs	708 Series	MH21091		ULC	ULC		ULC		ULC	ULC
Drop tubes	782 Series		VR-101	CARB		CARB				
Swivel fill and vapor adapters (brass)	SWF & SWV Series		VR-101	CARB						
Swivel fill and vapor adapters (stainless steel)	SWF & SWV Series		VR-101	CARB		CARB				
Fill adapter cap	77720102		VR-101	CARB		CARB				
Vapor adapter cap	304 Series		VR-101	CARB		CARB				
Fill adapter	778303	MH25961	UL2583	UL	UL	UL	UL	UL		
Probe cap adapter kit	90037-E		VR-101	CARB		CARB				
Well caps	950 Series	MH25961	UL2583	UL	UL	UL	UL	UL		
PV Zero	407215901	MH21190	UL2583	UL	UL	UL	UL	UL		
Vapor shear valves	362 Series	MH9253	UL842	UL	UL		UL		UL	UL
Anti syphon valve (below ground)	636 Series	MH17159	UL842, ULC/ORD-C842	UL/ULC	UL		UL/ULC		UL/ULC	UL/ULC
PV vents	802 Series	MH25961	UL2583	UL	UL	UL	UL	UL		
Flexible connectors	FF Series	MH25059	UL2039	UL	UL	UL	UL	UL		
Above ground spill containers	706 Series	MH21091	CAN/ULC-S663-11	ULC	ULC		ULC		ULC	ULC
Warden overfill prevention valve		MH21090	CAN/ULC-S661-10	ULC	ULC		ULC		ULC	ULC
Emergency vents	803 Series	MH25961	UL2583, ULC-S631	UL	UL	UL	UL/ULC	UL	ULC	ULC
Anti syphon valve (above ground)	605 & 606 Series	MH17159	UL842, ULC/ORD-C842	UL/ULC	UL		UL/ULC		UL/ULC	UL/ULC
Pressure regulator valve	664-302	MH17159	UL842, ULC/ORD-C842	UL/ULC	UL		UL/ULC		UL/ULC	UL/ULC
Field replaceable spill containers	85000 Series	MH21091	CAN/ULC-S663	ULC	ULC		ULC		ULC	ULC
Below ground spill containers	702, 703, 705, 715, 725	MH21091	CAN/ULC-S663	ULC	ULC		ULC		ULC	ULC
Defender Series direct bury spill containers	705 Series	MH21091	CAN/ULC-S663	ULC	ULC		ULC		ULC	ULC
Defender Series multiport spill containers	DMP Series	MH21091	CAN/ULC-S663	ULC	ULC		ULC		ULC	ULC

### NOTES

Compatibility is valid for products purchased after March 1, 2016.

Products that were purchased prior to March 1, 2016 may or may not be compatible.

Please contact Franklin Fueling Systems to ascertain compatibility.

Listing is generic in nature and is intended to provide overview of compatibility with blended fuels.

Franklin Fueling Systems follows independent third party standards where available.

Franklin Fueling Systems tests for compatibility if 3rd party standards are not available.

Customers desiring more information on whether their system is compatible should contact Franklin Fueling Systems directly.

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## Piping & Containment Systems

Brand: APT™

Product	Models	UL/ULC File #	UL/ULC Standard	Gasoline / Ethanol Blends				Diesel / Biodiesel Blends		Heating Fuels Fuel Oil
				Up to E10	Up to E15	Up to E85	E100	Up to B5	B100	
Flexible pipework & fittings	XP Series	MH17457	UL971	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Polyethylene tank sumps	TSD, TSM, TSS Series	MH27175	ULC/ORD-C107	ULC						ULC
Polyethylene dispenser sumps	LMM, LBD, LMD Series	MH27175	ULC/ORD-C107	ULC						ULC
Polyethylene transition sumps	TS, IPS, AST Series	MH27175	ULC/ORD-C107	ULC						ULC
Fiberglass tank sumps	TMA, TDA, TM, TD Series	MH27175	ULC/ORD-C107	ULC						ULC
Fiberglass dispenser sumps	LMM & DHW Series	MH27175	ULC/ORD-C107	ULC						ULC
Entry boots (flexible)	DEB, FEB, FDB, DBB, DDB, FBB Series	MH27175	ULC/ORD-C107	ULC						ULC
Entry boots (rigid)	REB, RDEB, REB-R, RDEB-R, REB-C, REB-C-R, FWEB Series	MH27175	ULC/ORD-C107	ULC						ULC

## Piping & Containment Systems

Brand: UPP™

Product	Models	UL/ULC File #	UL/ULC Standard	Gasoline / Ethanol Blends				Diesel / Biodiesel Blends		Heating Fuels Fuel Oil
				Up to E10	Up to E15	Up to E85	E100	Up to B5	B100	
Semi-rigid pipework & nickel/brass fittings	UPP	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Semi-rigid pipework & flange fittings	UPP & 90 Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Semi-rigid pipework & flange fittings	UPP & 06 Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Semi-rigid pipework & flange fittings	UPP & DN Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Semi-rigid pipework & stainless steel fittings	UPP & SS Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Electrofusion couplers, elbows, & elbows	UPP	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL/ULC	UL	
Polyethylene dispenser sumps	DS3617 ENCORE & DS3617 OVATION	MH27175	ULC/ORD-C107	ULC			ULC			ULC
Electrofusion entry boots	304, 303, 305 Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC			
Entry boots (flexible)	DEB, FEB, FDB, DBB, DDB, FBB Series	MH27175	ULC/ORD-C107	UL/ULC			UL/ULC			ULC
Test boots	49 Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC		UL	
Electrofusion fittings	02, 03, 04, 08, 10, G3, G4, G8 Series	MH25274	UL971, ULC-S660	UL/ULC	UL/ULC	UL/ULC	UL/ULC		UL	

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Franklin Fueling Systems tests for compatibility if 3rd party standards are not available.

Customers desiring more information on whether their system is compatible should contact Franklin Fueling Systems directly.

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## Submersible Pumping Systems

Brand: FE Petro™

Product	Models	UL/ULC File #	UL/ULC Standard	Gasoline / Ethanol Blends			Diesel / Biodiesel Blends			Heating Fuels	
				Up to E10	Up to E15	Up to E85	Up to B5	Up to B20	B100	Kerosene	Fuel Oil
4" submersible turbine pumps	STP Series	MH6262	UL79	UL/ULC			UL/ULC			UL/ULC	UL/ULC
4" submersible turbine pumps	STPAG, IST, STPAP, ISTAP Series	MH6262	UL79, UL79A, UL79B	UL/ULC	UL	UL	UL/ULC	UL	UL	UL/ULC	UL/ULC
4" mechanical line leak detectors	STP-MLD+G	MH17450	UL842	UL/ULC			UL/ULC			UL/ULC	UL/ULC
4" mechanical line leak detectors	STP-MLD+AG	MH17450	UL842, UL842A, UL842B	UL/ULC	UL	UL	UL/ULC			UL/ULC	UL/ULC
4" mechanical line leak detectors	STP-MLD+D	MH17450	UL842				UL/ULC			UL/ULC	UL/ULC
4" mechanical line leak detectors	STP-MLD+BD	MH17450	UL842, UL842A, UL842B				UL/ULC	UL	UL	UL/ULC	UL/ULC
6" submersible turbine pumps	STP Series	MH6262	UL79	UL/ULC			UL/ULC			UL/ULC	UL/ULC
6" mechanical line leak detectors	STP-MLD-HC	MH17450	UL842	UL/ULC			UL/ULC			UL/ULC	UL/ULC
6" mechanical line leak detectors	STP-MLD-HCD	MH17450	UL842				UL/ULC			UL/ULC	UL/ULC

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## Dispensing Systems

Brands: HEALY™, FLEX-ING™, EBW™

Product	Models	UL/ULC File #	UL/ULC Standard	Gasoline / Ethanol Blends			Diesel / Biodiesel Blends	Heating Fuels	
				Up to E10	Up to E15	Up to E85	Up to B5	Kerosene	Fuel Oil
400 Series vapor recovery nozzles	400 Series	MH18438	UL2586	UL	UL				
600 Series vapor recovery nozzles	600 Series	MH18438	UL2586	UL	UL				
700 Series vapor recovery nozzles	700 Series	MH18438	UL2586	UL	UL				
800 Series vapor recovery nozzles	800 Series	MH18438	UL2586	UL	UL				
900 Series vapor recovery nozzles	900 Series	MH18438	UL2586	UL	UL				
FLEX-ON™ hardwall hose	FLHFR Series	MH13484	UL330,CAN/ULC-S612	UL/ULC	UL/ULC				
FLEX-ON™ softwall hose	FLXSW Series	MH13484	UL330,CAN/ULC-S612	UL/ULC	UL/ULC				
FLEX-ON™ marina hose	FLXBM Series	MH13484	UL330,CAN/ULC-S612	UL/ULC	UL/ULC				
FLEX-COLD cold weather hose	FLXCW Series	MH13484	UL330,CAN/ULC-S612	UL/ULC	UL/ULC				
Ethanol hose	FLXE Series	MH2853	UL330,CAN/ULC-S612	UL/ULC	UL	UL			
Vapor recovery hose (low permeation)	75B Series	MH13484	UL330,CAN/ULC-S612	UL/ULC	UL/ULC				
Low permeation hose (conventional)	FLHLP Series	MH2853	UL330,CAN/ULC-S612	UL/ULC					
Vapor recovery break away valve	8701 VV	MH18281	UL567	UL					
Vapor recovery break away valve (swivel)	8701	MH18281	UL567	UL					
Safety sever break away valve (conventional)	69 & 79 Series	MH13686	UL567, CAN/ULC-S644	UL/ULC	UL/ULC				
Dispenser-mounted vacuum source	VP1000-5 Series	MH49882	UL79	UL	UL		UL		UL
Dispenser-mounted vacuum source	VP1000-220 Series	MH49882	UL79	UL	UL		UL		UL
Dispenser-mounted vacuum source (suction)	VP1200-1 Series	MH49882	UL79	UL	UL		UL		UL
Clean air separator	9961 Series	MH15389	UL60079	UL					
Hose adapters	CX6 Series	MH49881	UL567	UL			UL	UL	UL
Flow limiters	1301 & 1302	MH17159	UL842	UL			UL	UL	UL
Dispenser retrofit kits	Z0 Series	MH25102	UL87	UL			UL	UL	UL
Utility nozzles	402 Series	MH6265	UL2586	UL	UL		UL	UL	UL
Manual utility nozzles	498 Series	MH6265	UL2586	UL	UL		UL	UL	UL

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## Fuel Management Systems

Brands: INCON™

Product	Models	Gasoline / Ethanol Blends		Diesel / Biodiesel Blends			Heating Fuels Kerosene
		Up to E10	Up to E85	Up to B5	Up to B20	Up to B100	
Leak detection probes	LL2 Series	FFS	FFS	FFS	FFS	FFS	FFS
Inventory probes	LL2-I Series	FFS	FFS	FFS	FFS	FFS	FFS
Transducers	TS-LS500	FFS	FFS	FFS	FFS	FFS	FFS
Transducers	TS-LS300	FFS	FFS				FFS
Universal liquid sensor	TSP-ULS/UHS	FFS	FFS	FFS	FFS	FFS	FFS
Discriminating interstitial sensor	FMP-DIS	FFS	FFS	FFS	FFS	FFS	FFS
Level sensor	FMP-HLS	FFS	FFS	FFS	FFS	FFS	FFS
Monitoring well sensor	TSP-MWS	FFS	FFS	FFS	FFS	FFS	FFS
Discriminating interstitial sensor	FMP-DIS	FFS	FFS	FFS	FFS	FFS	FFS
Electro-optic interstitial sensor	FMP-EIS	FFS	FFS	FFS	FFS	FFS	FFS
Discriminating magnetostrictive sensor	FMP-DMS	FFS	FFS	FFS	FFS	FFS	FFS
Discriminating dispenser sump sensor	FMP-DDS	FFS	FFS	FFS	FFS	FFS	FFS
Discriminating turbine sump sensor	FMP-DTS	FFS	FFS	FFS	FFS	FFS	FFS
Secondary containment monitoring	TS-SCM	FFS	FFS	FFS	FFS		FFS
Dispensing cutoff system	S404	FFS	FFS	FFS	FFS	FFS	FFS

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