

**Table B1. Pipe Manufacturer Compatibility with Ethanol Blends**

Manufacturer	Product	Model	Ethanol Compatibility
<i>Piping—All Companies have UL 971 listing for E100</i>			
Advantage Earth Products	Piping	1.5", 2", 3", 4"	E0-E100
Brugg	Piping	FLEXWELL-HL, SECON-X, NITROFLEX, LPG	E0-E100
Franklin Fueling	Piping	Franklin has third-party certified piping compatible with up to E85. Contact manufacturer for specific part numbers.	E0-E85
OPW	Piping	FlexWorks, KPS, Pisces (discontinued)	E0-E100
NOV Fiberglass	Piping	RedThread IIA, Ameron Dualoy	E0-E100
NUPI	Piping	Smartflex	E0-E100
OMEGAFLEX	Piping	DoubleTrac (brass and stainless steel fittings)	E0-E100

Letters stating compatibility:

Petroleum Equipment Institute

[www.pei.org/ust-component-compatibility-library](http://www.pei.org/ust-component-compatibility-library)

**Table B2. Associated UST Manufacturer Compatibility with Ethanol Blends**

Manufacturers introduce and discontinue models over time. If you do not see your equipment on this list please contact the manufacturer. Note X in these lists can be substituted for any value.

Federal code requires compatibility of this equipment with specific fuels. This is achieved through either third-party listing or a letter from the manufacturer stating compatibility. Husky has UL listing for E85. The following companies have issued letters stating compatibility: Bravo, Morrison Brothers, Vaporless Manufacturing, Veeder-Root, and Western Fiberglass. Please contact other manufacturers for a compatibility letter or to inquire if they have UL E85 listed products. Compatibility letters are available at: [www.pei.org/ust-component-compatibility-library](http://www.pei.org/ust-component-compatibility-library)

Manufacturer	Product	Model	Ethanol Compatibility
Bravo Systems	Fiberglass fittings	Series F, FF, FPE, FR, Retrofit-S, D-BLR-S, D-INR-S, FLX, FLX-INR, FPS, TBF	E0-E100
Bravo Systems	Spill buckets	B3XX	E0-E100
Bravo Systems	Tank sumps & covers	B4XX	E0-E100
Bravo Systems	Transition sumps	B5XX, B6XX, B7XX, B8XX	E0-E100

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Source: *Handbook for Handling, Storing, and Dispensing E85 and Other Ethanol Blends*. Appendix B, Table B1: Tank Manufacturer Compatibility with Ethanol Blends and Table B2: Associated UST Manufacturer Compatibility. February 2016.

**Table B2 (continued). Pipe Manufacturer Compatibility with Ethanol Blends**

<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>Ethanol Compatibility</b>
Bravo Systems	Under dispenser containment sumps	B1XXX, 7XXX, B8XXX, B9XXX	E0-E100
Cimtek	Filter	300MB-10, 300MB-30, 400MB-10, 400MB-30, 475XLMB-10	E0-E15
Cimtek	Filter	300BHA-01, 400BHA-01, 400BHA-05, 800BHA-01	E0-E85
Clay and Bailey	AST emergency vent	354, 365, 366, 367, 368, 369, 370	E0-E85
Clay and Bailey	AST manhole	API-650	E0-E85
Clay and Bailey	AST overfill prevention valve	1228	E0-E85
Clay and Bailey	AST spill containment	all	E0-E85
Clay and Bailey	Fill cap	94, 232, 233, 234, 235, 254	E0-E85
Franklin Fueling	All	Franklin has third-party certified equipment compatible with up to E85. Contact manufacturer for specific part numbers.	
Husky	Pressure vacuum vents	4620, 4885, 5885, 11730, 11735, 11740	E0-E85
Morrison Bros	Anodized farm nozzle	200S	E0-E85
Morrison Bros	Anti-syphon valve	912	E0-E85
Morrison Bros	AST adaptor	927	E0-E85
Morrison Bros	Ball valves	691BSS	E0-E85
Morrison Bros	Caps	305C	E0-E85
Morrison Bros	Clock gauge with alarm	918	E0-E85
Morrison Bros	Clock gauges	818	E0-E85
Morrison Bros	Combination vent/overfill alarm	922	E0-E85
Morrison Bros	Diffuser	539TO, 539TC	E0-E85
Morrison Bros	Double tap bushing	184	E0-E85
Morrison Bros	Drop tubes	419A	E0-E85
Morrison Bros	Emergency vents	244	E0-E85

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**Table B2 (continued). Pipe Manufacturer Compatibility with Ethanol Blends**

<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>Ethanol Compatibility</b>
Morrison Bros	Expansion relief valve	076DI, 078DI	E0-E85
Morrison Bros	External emergency valves	346DI, 346FDI, 346SS, 346FSS	E0-E85
Morrison Bros	Extractors	560/561/562/563	E0-E85
Morrison Bros	Flame arrester	351S	E0-E85
Morrison Bros	Float vent valves	317	E0-E85
Morrison Bros	Frost proof drain valve	128DIS	E0-E85
Morrison Bros	In-line check valve	958	E0-E85
Morrison Bros	Internal emergency valves	272DI, 72HDI	E0-E85
Morrison Bros	Overfill alarm	918TCP	E0-E85
Morrison Bros	Overfill prevention valve	9095A-AV, 9095SS	E0-E85
Morrison Bros	Series tank monitor adaptor and cap kits	305XPA	E0-E85
Morrison Bros	Solenoid valves (3" must be all teflon version)	710SS	E0-E85
Morrison Bros	Spill containers	515/516/517/518	E0-E85
Morrison Bros	Strainer	285	E0-E85
Morrison Bros	Swing check valves	246ADI, 246DRF	E0-E85
Morrison Bros	Tank monitor adaptor and cap kits	305XPA	E0-E85
Morrison Bros	Vapor recovery adaptor	323	E0-E85
Morrison Bros	Vapor recovery caps	323C	E0-E85
Morrison Bros	Vent-double outlet (small UST)	155	E0-E85
Morrison Bros	Vent-pressure vacuum	548, 748, 749	E0-E85
Morrison Bros	Vent-updraft	354	E0-E85
National Environmental Fiberglass	Sumps-dispenser	All	E0-E85
National Environmental Fiberglass	Sumps-tank	All	E0-E85
National Environmental Fiberglass	Sumps-transition	All	E0-E85

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**Table B2 (continued). Pipe Manufacturer Compatibility with Ethanol Blends**

<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>Ethanol Compatibility</b>
OPW	AST anti-siphon valve	199ASV	E0-E85
OPW	AST ball valve	21BV SS	E0-E85
OPW	AST check valve	175, 1175	E0-E85
OPW	AST emergency shut off valve	178S	E0-E85
OPW	AST emergency vent	201, 202	E0-E85
OPW	AST emergency vent	301	E0-E85
OPW	AST mechanical gauge	200TG	E0-E85
OPW	AST overflow prevention valve	61fSTOP A or M versions	E0-E85
OPW	AST overflow prevention valve	61fSTOP	E0-E25
OPW	AST pressure vacuum vent	523V, 623V	E0-E100
OPW	AST solenoid valve	821	E0-E25
OPW	AST spill container	211-RMOT, 331, 332	E0-E85
OPW	AST swing check valve	all	E0-E85
OPW	AST tank alarm	444TA	E0-E85
OPW	AST vapor adaptor	1611AVB-1625	E0-E100
OPW	AST vapor cap	1711T-7085-EVR, 1711LPC-0300	E0-E100
OPW	Ball float vent valve	53VML, 30MV	E0-E100
OPW	Check valve	70, 70S	E0-E100
OPW	Dispenser sumps & accessories	FlexWorks	E0-E100
OPW	Drop tube	61FT	E0-E25
OPW	Drop tube	61T, 61TC, 61TCP	E0-E15
OPW	Drop tube	61TSS	E0-E100
OPW	Extractor fittings and plug	233, 233VP	E0-E100
OPW	Face seal adaptor (threaded riser adaptor)	FSA	E0-E100
OPW	Fill adaptor-side	61AS	E0-E100

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**Table B2 (continued). Pipe Manufacturer Compatibility with Ethanol Blends**

<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>Ethanol Compatibility</b>
OPW	Fill adaptor-top	633T, 633TC	E0-E100
OPW	Fill Cap	634TT-7085-EVR, 634LPC, 634TT-4000	E0-E100
OPW	Fill cap-side	62TT	E0-E100
OPW	Fill-swivel adaptor	61SALP-MA, 61SALP-1020-EVR	E0-E100
OPW	Flexible connectors	FCxx	E0-E100
OPW	Float kit	61SOK-0001	E0-E15
OPW	Jack screw	61JSK, 71JSK	E0-E100
OPW	Manhole	Conquistador, Fiberlite, 104A, 104FG, 104C, 6110,6120	E0-E100
OPW	Monitoring well cap kit	634TTM	E0-E100
OPW	Monitoring well probe cap	62M, 116M, 62M-MA	E0-E100
OPW	Multi-port spill containment	6511, 6421, 6511, 6521, 6561, 6571, Fiberlite	E0-E100
OPW	Overfill prevention valve	71SOM, 61SOM, 61SOCM-4000	E0-E100
OPW	Overfill prevention valve	71SO, 71SO-C, 71SO-CT, 61SOC, 61SOP, 61SOR	E0-E15
OPW	Pressure vacuum vent	523V, 623V	E0-E100
OPW	Spill container (bucket)	1-2100, 1SC-2100, 1C-2100,1C-2200, EDGE, '1-2105, 101-BG2100	E0-E100
OPW	Tank bottom protectors	6111, 61TP	E0-E15
OPW	Tank sumps & accessories	Fiberlite, FlexWorks	E0-E100
OPW	Transition sumps & accessories	FlexWorks	E0-E100
OPW	Vapor adaptor	1611AV, 1611AVB	E0-E100
OPW	Vapor Cap	1711T-7085-EVR, 1711LPC	E0-E100
OPW	Vapor-swivel adaptor	61VSA-MA, 61VSA-1020-EVR	E0-E100
Vaporless Manufacturing	Leak detector	99LD-2000/2200/3000 without stainless steel tubing/fittings	E0-E20
Vaporless Manufacturing	Leak detector	99LD-2000/2200/3000 with stainless steel tubing/fittings	E0-E100

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<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>Ethanol Compatibility</b>
OPW	Fill adaptor-top	633T, 633TC	E0-E100
Vaporless Manufacturing	Overfill prevention valve	OPF-2/3 with stainless steel tubing/fittings	E0-E100
Veeder-Root	Continuous interstitial tank system	P/N 857280-100, 857280-200, 857280-30X	E0-E15
Veeder-Root	Electronic line leak detector	Series 8484, 8590	E0-E15
Veeder-Root	Ground water monitoring	P/N 794380-621, 794380-622, 794380-624	E0-E15
Veeder-Root	Interstitial and secondary containment monitoring	P/N 794380-XXX, 794390-XXX, 847990-00X, 857080-XXX	E0-E15
Veeder-Root	Interstitial and secondary containment monitoring	P/N 794380-321, 794380-323, 794380-333, 794380-344, 794380-345, 794380-351, 794380-430	E0-E85
Veeder-Root	Magnetostrictive probe	Mag Plus Series 8463XX, Mag Series 8473XX	E0-E15
Veeder-Root	Tall tank probe	Mag-FLEX 889560-XXX, MAGXL-XXX	E0-E90
Veeder-Root	Vapor monitoring	P/N 394390-700	E0-E15
Western Fiberglass	Co-flex piping	all	E0-E100
Western Fiberglass	Cuff fittings	all	E0-E100
Western Fiberglass	Sumps (dispenser, tank, transition, vapor, vent)	all	E0-E100
Western Fiberglass	Co-flow hydrostatic monitoring systems	all	E0-E100

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