

Under Dispenser Containment Catalog

*Better
By
Design*



*Check
It
Out*

July 2023



"Better by Design"

Diversified Products Manufacturing, Inc.

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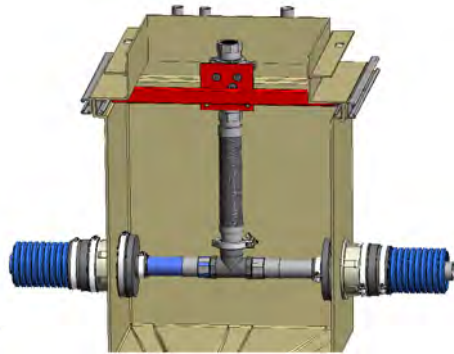
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"Better By Design"

Most Cost Effective Pre Manufactured Under Dispenser Containment



Features

All Configurations Available

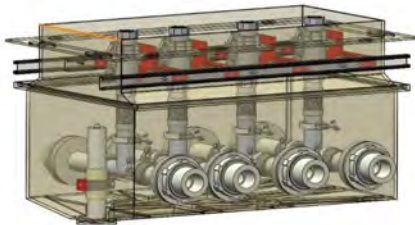
- All Fiberglass Construction Base and Frame
- Sloping Floor with Alarm Cup
- Pre Plumbed and Pre Wired Available
- Third Party Approvals



Benefits

Pre Manufactured Containment Reduces Total Costs

- All products pre selected to fit, No field work
- Quick Installation Reduces Installation Costs



Applications

- Single or Double Wall Sumps
- All Stainless Available for E-85 and DEF
- Truck Stop - Satellite Units Available
- Truck Stop - Master Units Available
- Truck Stop Master/Satellite Units Available
- Custom Sumps of any Size and Configuration



EQ-742 EQ-801 EQ-836

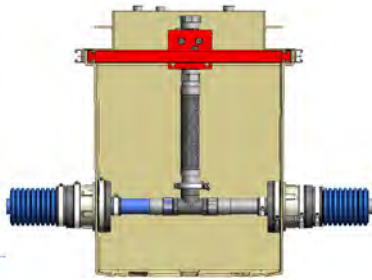




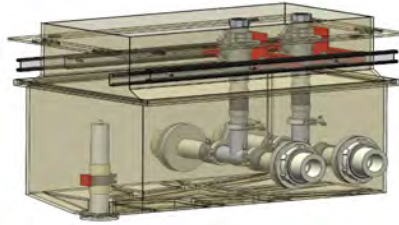
Under Dispenser Containment

Compared to the competition, DPM is the Most Cost Effective on the Market

Diversified Products Manufacturing Inc now offers a solution to the problem at a competitive price.



Commercial

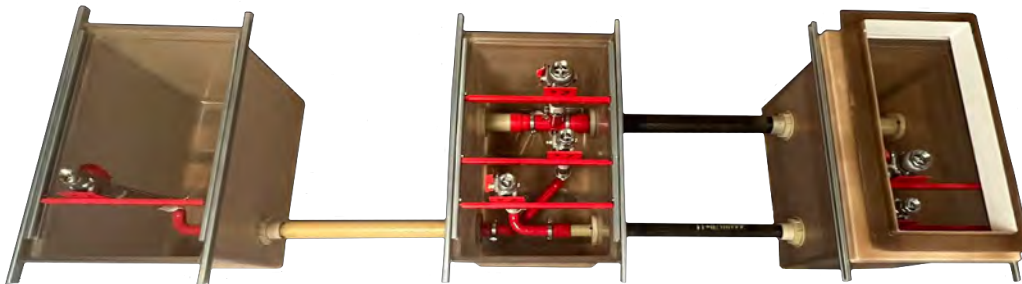


Economy

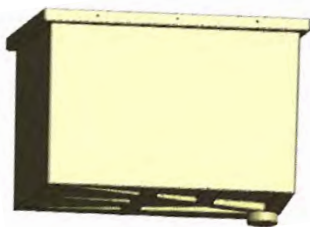


Standard

Available for all Applications & Dispensers
Contact the factory for your custom needs



Pre Manufactured Truck Stop Systems



Basic Sumps



Product Line Assemblies



Pre Manufactured Systems

Pre Piped, Standard Single Line, Master, Master/Satellite, Satellite, & DEF Options Available

Third Party Approved to UL 2447 Protocols

Call us for a sample or test site

We have been here since 1991

First testable Penetration, Magnetic Tank Sump Lid, Compact Penetration, & now all the options for Underground Dispenser Containment you need.

CHECK IT OUT

Call a Diversified representative to discuss your project needs. 530-534-3966



"Better by Design"

24x24 Sumps

24x24x30 **Single Wall** Basic UDC - Bottom, Top & Frame Also Single Line Engineered Systems Applications



24x24 w/24x12 SS Frame

Part #	Description	List Price
ES-24x24	24x24x30 UDC Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection	\$1,013.35
ES-24x24-1LE- <i>Flex</i> -CD	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line End of Run for Flex Pipe	\$2,151.06
ES-24x24-1LP- <i>Flex</i> -CD	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line Pass Through for Flex Pipe	\$2,519.80
ES-24x24-1LE-NOV	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line End of Run NOV Pipe	\$2,171.49
ES-24x24-1LP-NOV	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line Pass Through NOV Pipe	\$2,519.80

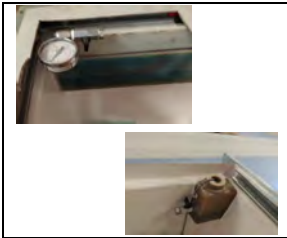
24x24x30 **Single Wall** Basic UDC - Bottom, Top & Frame Pre Manufactured with Stainless Pipe & Trim & DEF



DEF UDC w/ Split lid

Part #	Description	Qty	List Price
ES-24x24-1LE- <i>Flex</i> -CD-SS	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line End of Run for Flex Pipe Stainless		\$2,630.29
ES-24x24-1LP- <i>Flex</i> -CD-SS	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line Pass Through for Flex Pipe Stainless		\$2,999.03
ES-24x24-1LE-NOV-SS	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line End of Run for NOV Pipe Stainless		\$2,650.72
ES-24x24-1LP-NOV-SS	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 1 Line Pass Through for NOV Pipe Stainless		\$2,947.37
ES-24x24-DEF	24x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured SS Piping, Split Lid, Def Shear Valve, 208 Sensor		\$5,847.01

24x24x30 **Double Wall** Basic UDC - Bottom, Top & Frame



Part #	Description	List Price
ES-24x24 DW	24x24x30 UDC Double Wall Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection, Basic Unit Contact Factory For Pre Engineered systems with product lines	\$2,201.89



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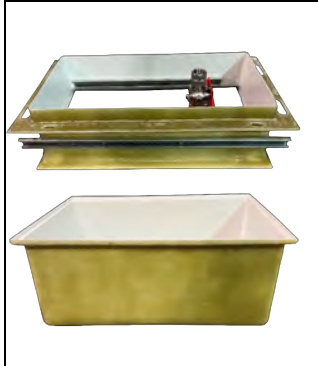




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Econo Sumps

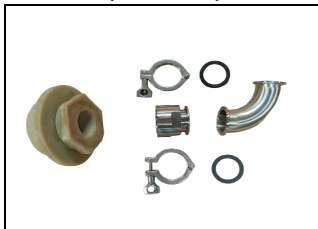
Econo Sumps



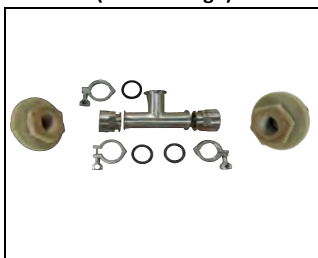
Product Line Assemblies



End Configuration "E"
(End of Run)



End Configuration "P"
(Pass Through)



Part #	Description	Qty	List Price
SUE-3617-G 1-9	Econo Sump Top, Bottom & Rails	1-9	\$1,037.32
SUE-3617-G 10-49	Econo Sump Top, Bottom & Rails	1-49	\$1,011.39
SUE-3617-G 50-up	Econo Sump Top, Bottom & Rails	50-up	\$985.45

Part #	Description	Qty	List Price
SU-PLA-EE-Flex -1-9	PLA for Econo Sumps, Flex Pipe End of Run	1-9	\$1,097.15
SU-PLA-EE-Flex -10-29	PLA for Econo Sumps, Flex Pipe End of Run	10-29	\$943.55
SU-PLA-EE-Flex -30 up	PLA for Econo Sumps, Flex Pipe End of Run	30-up	\$789.95

Part #	Description	Qty	List Price
SU-PLA-EP-Flex -1-9	PLA for Econo Sumps, Flex Pipe Pass Through	1-9	\$1,303.05
SU-PLA-EP-Flex -10-29	PLA for Econo Sumps, Flex Pipe Pass Through	10-29	\$938.19
SU-PLA-EP-Flex -30 up	PLA for Econo Sumps, Flex Pipe Pass Through	30-up	\$789.95

Part #	Description	Qty	List Price
SU-PLA-EE-NOV-1-9	PLA for Econo Sumps, NOV Pipe End of Run	1-9	\$1,109.41
SU-PLA-EE-NOV-10-29	PLA for Econo Sumps, NOV Pipe End of Run	10-29	\$954.10
SU-PLA-EE-NOV-30 up	PLA for Econo Sumps, NOV Pipe End of Run	30-up	\$798.78

Part #	Description	Qty	List Price
SU-PLA-EP-NOV-1-9	PLA for Econo Sumps, NOV Pipe Pass Through	1-9	\$1,426.97
SU-PLA-EP-NOV-10-29	PLA for Econo Sumps, NOV Pipe Pass Through	10-29	\$1,133.13
SU-PLA-EP-NOV-30 up	PLA for Econo Sumps, NOV Pipe Pass Through	30-up	\$948.67

When ordering substitute for "Flex"

OPW 3/4" Double Wall Pipe	C-075A
OPW 1" Double Wall Pipe	C-10A
OPW 1 1/2" Double Wall Pipe	C-15A
OPW 2" Double Wall Pipe	C-20A

APT 1" Single Wall	XP-100-D
APT 1 1/2" Single Wall	XP-150-D
APT-2" Single Wall	XP-200-D
APT 1" Single Wall	XP-100-SC
APT 1 1/2" Single Wall	XP-150-SC
APT-1 3/4" Single Wall	XP-175-SC
APT-2" Single Wall	XP-200-SC

Omegaflex 1" Double Wall	UGF-FSP-16
Omegaflex 1 1/2" Double Wall	UGF-FSP-24
Omegaflex 1" Double Wall	UGF-FSP-32

Contact Factory for other Options



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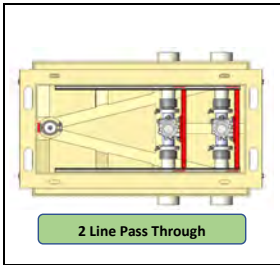




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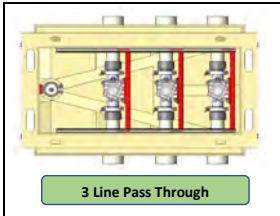
40x24 Sumps

40x24x30 Single Wall UDC, Bottom, Frame & Rails 2 Line Engineered System. For Other Dispensers Substitute 3617 Frame Size



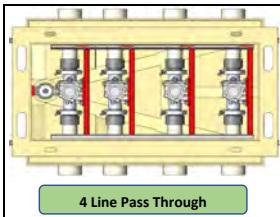
Part #	Description	List Price
ES-4024	40x24x30 UDC Basic Single Wall Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection	\$1,310.25
ES-3617-2LE-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run for Flex Pipe	\$4,310.75
ES-3617-2LP-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for Flex Pipe	\$4,920.24
ES-3617-2LE-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run NOV Pipe	\$4,357.44
ES-3617-2LP-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through NOV Pipe	\$5,222.16

40x24x30 Single Wall UDC, Bottom, Frame & Rails for 3 Line Engineered System



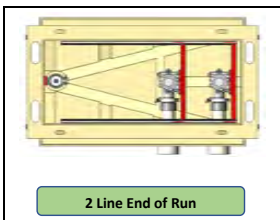
Part #	Description	List Price
ES-3617-3LE-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for Flex Pipe	\$5,810.99
ES-3617-3LP-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for Flex Pipe	\$6,725.24
ES-3617-3LE-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run NOV Pipe	\$5,881.03
ES-3617-3LP-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for NOV Pipe Stainless	\$7,178.11

40x24x30 Single Wall UDC, Bottom, Frame & Rails for 4 Line Engineered System



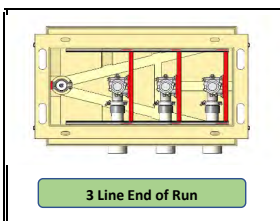
Part #	Description	List Price
ES-3617-4LE-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for Flex Pipe	\$7,311.24
ES-3617-4LP-Flex-CD	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for Flex Pipe	\$8,530.23
ES-3617-4LE-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run NOV Pipe	\$7,404.63
ES-3617-4LP-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for NOV Pipe Stainless	\$9,136.06

40x24x30 Single Wall UDC Sump- Bottom, Frame & Rails, 2 Line Engineered System - Stainless Steel



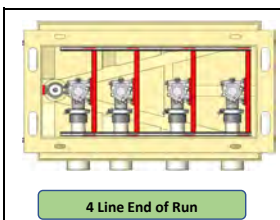
Part #	Description	List Price
ES-3617-2LE-Flex-CD-SS	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run for Flex Pipe	\$4,950.35
ES-3617-2LP-Flex-CD-SS	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for Flex Pipe	\$5,559.84
ES-3617-2LE-NOV-SS	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run NOV Pipe	\$4,997.04
ES-3617-2LP-NOV-SS	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for NOV Pipe Stainless	\$5,861.76

40x24x30 Single Wall UDC Sump- Bottom, Frame & Rails, 3 Line Engineered System - Stainless Steel



Part #	Description	List Price
ES-3617-3LE-Flex-CD-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for Flex Pipe Stainless	\$6,770.39
ES-3617-3LP-Flex-CD-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for Flex Pipe Stainless	\$7,684.64
ES-3617-3LE-NOV-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for NOV Pipe Stainless	\$6,840.43
ES-3617-3LP-NOV-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for NOV Pipe Stainless	\$8,137.51

40x24x30 Single Wall UDC Sump- Bottom, Frame & Rails, 4 Line Engineered System - Stainless Steel



Part #	Description	List Price
ES-3617-4LE-Flex-CD-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for Flex Pipe Stainless	\$8,590.44
ES-3617-4LP-Flex-CD-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for Flex Pipe Stainless	\$7,684.64
ES-3617-4LE-NOV-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for NOV Pipe Stainless	\$8,683.83
ES-3617-4LP-NOV-SS	40x24 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for NOV Pipe Stainless	\$10,413.36



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40x24x30 Double Wall UDC, Bottom, Frame & Rails 2 Line with interstice Seals & Brine Installed Engineered System



Basic Double Wall Sump

Part #	Description	List Price
ES-36x17 DW	40x24x30 UDC Basic Double Wall Sump Frame, Bottom & Rails - Specify Dispenser for Frame Selection. Brine shipped Loose.	\$3,038.87
ES-3617-2LE-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run for Flex Pipe	\$3,230.32
ES-3617-2LP-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for Flex Pipe	\$3,378.82
ES-3617-2LE-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run NOV Pipe	\$3,230.32
ES-3617-2LP-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through NOV Pipe	\$3,378.82

40x24x30 Double Wall UDC, Bottom, Frame & Rails 3 Line with interstice Seals & Brine Installed Engineered System



DW w/Interstice Seal

Part #	Description	List Price
ES-3617-3LE-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for Flex Pipe	\$3,326.04
ES-3617-3LP-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for Flex Pipe	\$3,548.80
ES-3617-3LE-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run NOV Pipe	\$3,326.04
ES-3617-3LP-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for NOV Pipe	\$3,548.80

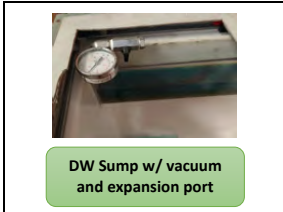
40x24x30 Double Wall UDC, Bottom, Frame & Rails 4 Line with interstice Seals & Brine Installed Engineered System



DW Sump w/ Fill and alarm port

Part #	Description	List Price
ES-3617-4LE-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for Flex Pipe	\$3,421.77
ES-3617-4LP-I-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for Flex Pipe	\$3,718.78
ES-3617-4LE-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run NOV Pipe	\$3,421.77
ES-3617-4LP-I-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for NOV Pipe	\$3,718.78

40x24x30 Double Wall UDC, Bottom, Frame & Rails 2 Line Complete, Brine Installed Engineered System



DW Sump w/ vacuum and expansion port

Part #	Description	List Price
ES-3617-2LE-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run for Flex Pipe	\$5,314.80
ES-3617-2LP-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for Flex Pipe	\$5,684.28
ES-3617-2LE-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line End of Run NOV Pipe	\$5,355.16
ES-3617-2LP-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 2 Line Pass Through for NOV Pipe	\$5,948.45

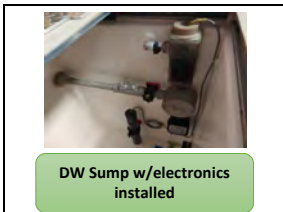
40x24x30 Double Wall UDC, Bottom, Frame & Rails 3 Line Complete, Brine Installed Engineered System



DW Sump & Interstice Seal w/ brine installed

Part #	Description	List Price
ES-3617-3LE-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for Flex Pipe	\$6,452.02
ES-3617-3LP-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for Flex Pipe	\$7,006.98
ES-3617-3LE-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line End of Run for NOV Pipe	\$6,513.30
ES-3617-3LP-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 3 Line Pass Through for NOV Pipe	\$7,403.24

40x24x30 Double Wall UDC, Bottom, Frame & Rails 4 Line Complete, Brine Installed Engineered System



DW Sump w/electronics installed

Part #	Description	List Price
ES-3617-4LE-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for Flex Pipe	\$7,589.73
ES-3617-4LP-Flex-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for Flex Pipe	\$8,329.68
ES-3617-4LE-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line End of Run for NOV Pipe	\$7,671.44
ES-3617-4LP-NOV-DW	40x24x30 UDC Sump Frame, Bottom & Rails Pre Manufactured for 4 Line Pass Through for NOV Pipe	\$8,858.03





Standard 24x24, 40x24 & 40x36 Sumps for Under Dispenser Containment

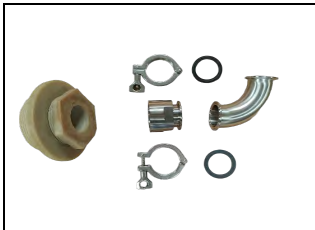


40x36x30 Jumbo Retail Sump

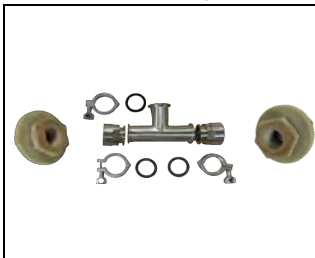
Product Line Assemblies



End Configuration "E"
(End of Run)



End Configuration "P"
(Pass Through)



Part #	Description	List Price
ES-2424	Standard 24x24x30 UDC, Bottom Frame & Rails	\$1,013.35
ES-4024	Standard 40x24x30 UDC Bottom, Frame & Rails	\$1,310.25
ES-4036	Jumbo 40x36x30 UDC, Bottom Frame & Rails	\$3,299.00

Part #	Description	Qty	List Price
SU-PLA-SE-Flex -1-9	PLA for Standard Sumps, Flex Pipe End of Run	1-9	\$1,137.72
SU-PLA-SE-Flex -10-29	PLA for Standard Sumps, Flex Pipe End of Run	10-29	\$978.44
SU-PLA-SE-Flex -30 up	PLA for Standard Sumps, Flex Pipe End of Run	30-up	\$819.16

Part #	Description	Qty	List Price
SU-PLA-SP-Flex -1-9	PLA for Standard Sumps, Flex Pipe Pass Through	1-9	\$1,322.70
SU-PLA-SP-Flex -10-29	PLA for Standard Sumps, Flex Pipe Pass Through	10-29	\$1,137.53
SU-PLA-SP-Flex -30 up	PLA for Standard Sumps, Flex Pipe Pass Through	30-up	\$952.35

Part #	Description	Qty	List Price
SU-PLA-SE-NOV-1-9	PLA for Standard Sumps, NOV Pipe End of Run	1-9	\$1,158.14
SU-PLA-SE-NOV-10-29	PLA for Standard Sumps, NOV Pipe End of Run	10-29	\$996.00
SU-PLA-SE-NOV-30 up	PLA for Standard Sumps, NOV Pipe End of Run	30-up	\$833.86

Part #	Description	Qty	List Price
SU-PLA-SP-NOV-1-9	PLA for Standard Sumps, NOV Pipe Pass Through	1-9	\$1,454.79
SU-PLA-SP-NOV-10-29	PLA for Standard Sumps, NOV Pipe Pass Through	10-29	\$1,251.12
SU-PLA-SP-NOV-30 up	PLA for Standard Sumps, NOV Pipe Pass Through	30-up	\$1,047.45

When ordering substitute for Flex

OPW 3/4" Double Wall Pipe	C-075A
OPW 1" Double Wall Pipe	C-10A
OPW 1 1/2" Double Wall Pipe	C-15A
OPW 2" Double Wall Pipe	C-20A

APT 1" Single Wall	XP-100-D
APT 1 1/2" Single Wall	XP-150-D
APT-2" Single Wall	XP-200-D
APT 1" Single Wall	XP-100-SC
APT 1 1/2" Single Wall	XP-150-SC
APT-1 3/4" Single Wall	XP-175-SC
APT-2" Single Wall	XP-200-SC

Omegaflex 1" Double Wall	UGF-FSP-16
Omegaflex 1 1/2" Double Wall	UGF-FSP-24
Omegaflex 1" Double Wall	UGF-FSP-32

Contact Factory for other Options

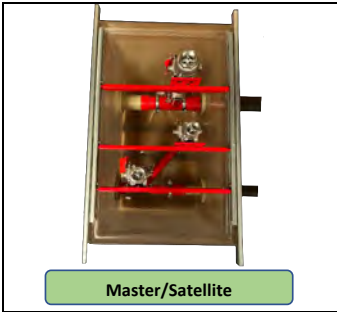




"Better by Design"

40x24 Sumps

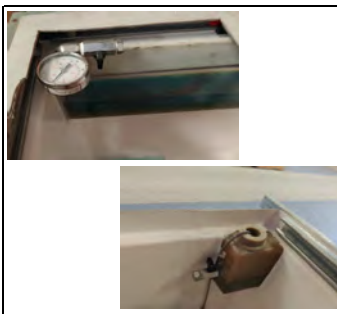
40x24x30 Single Wall Truck Stop Sumps Complete Engineered System



Master/Satellite

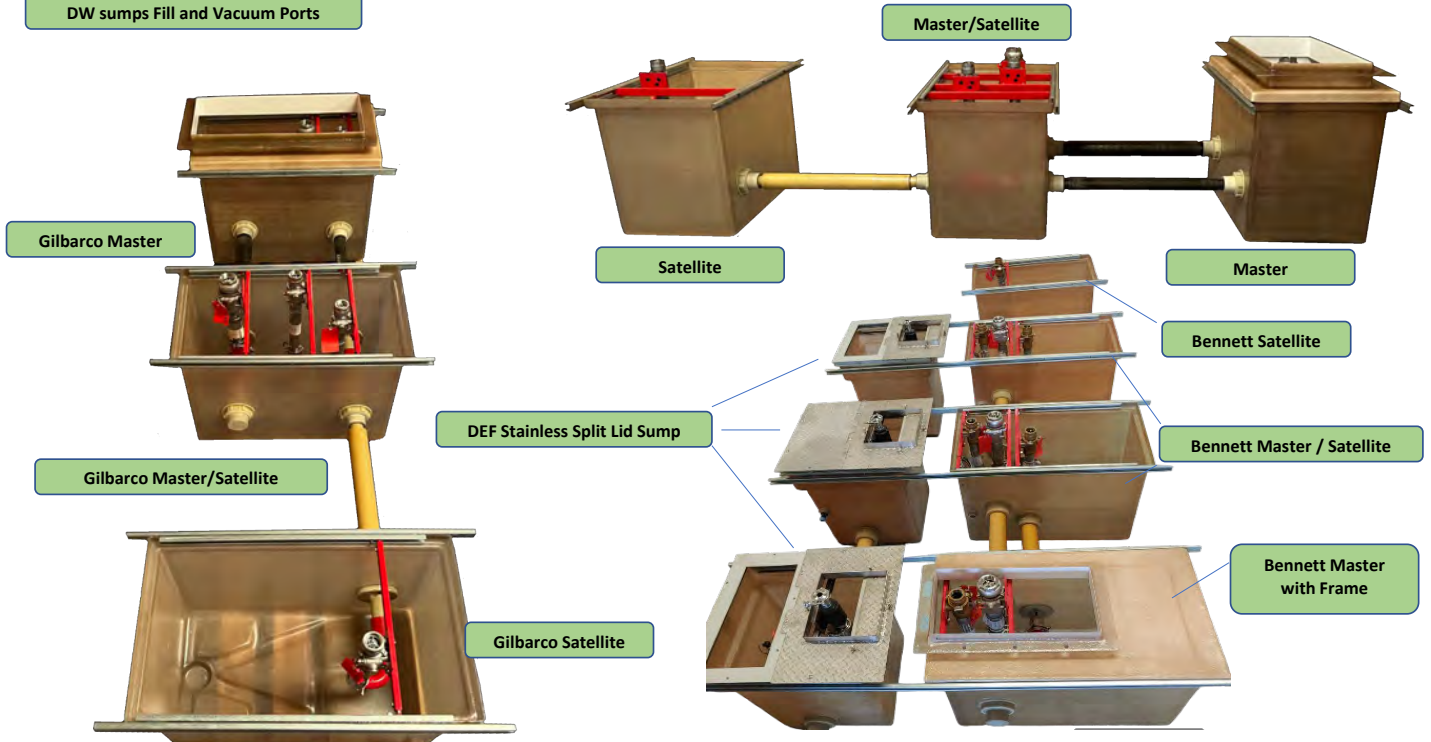
Part #	Description	List Price
ES-36x17 Satellite-NOV	40x24x30 UDC Single Wall Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 1 Line	\$4,002.37
ES-3617-E-Master-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured-2 Lines	\$7,816.08
ES-3617-P-Master-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 3 Lines	\$7,954.91
ES-3617-E-M/S-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 3 Lines	\$9,780.11
ES-3617-P-M/S-NOV	40x24x30 UDC Sump Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 4 Lines	\$9,850.16

40x24x30 Double Wall Truck Stop Sumps Complete Engineered System



DW sumps Fill and Vacuum Ports

Part #	Description	List Price
ES-36x17 Satellite-NOV-DW	40x24x30 UDC Double Wall Sump, Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 1 Line	\$4,617.57
ES-3617-E-Master-NOV-DW	40x24x30 UDC Double Wall Sump, Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured-2 Lines	\$8,431.28
ES-3617-P-Master-NOV-DW	40x24x30 UDC Double Wall Sump, Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 3 Lines	\$8,570.11
ES-3617-E-M/S-NOV-DW	40x24x30 UDC Double Wall Sump, Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 3 Lines	\$10,395.31
ES-3617-P-M/S-NOV-DW	40x24x30 UDC Double Wall Sump, Frame, Bottom & Rails Specify Dispenser for Frame Selection. Pre Manufactured 4 Lines	\$10,465.36

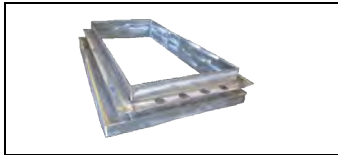


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Sump Frames - Stainless Steel



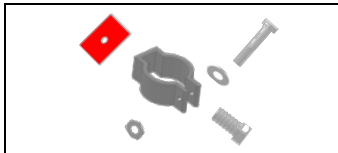
Part #	Description	List Price
SU-36x17-SS	Stainless Steel Frame for 40x24 Sumps Substitute any 40x24 Frame dimension at this price	\$1,295.00
xx.xxxx-SS	Added to an Engineering System to substitute a Stainless Steel frame for a fiberglass frame	\$798.00

Stabilizer Bar Assemblies



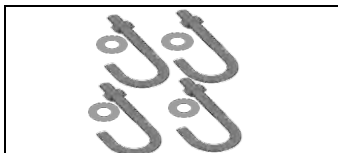
Part #	Description	List Price
SU-SBA-21-PC	Stabilizer Bar Assembly for 24" Wide Sumps Powder Coated	\$109.13
SU-SBA-21-SS	Stabilizer Bar Assembly for 24" Wide Sumps Stainless Steel	\$177.52

Conduit Mounting Kits



Part #	Description	List Price
SU-CMB-1.1	Conduit Mounting Kit (Field Installed) for 3/4" Rigid Conduit	\$30.00
SU-CMB-1.4	Conduit Mounting Kit (Field Installed) for 1" rigid Conduit	\$30.00

J Bolt Kits



Part #	Description	List Price
SU-J Bolt-4	Four Stainless J Bolts with nuts & washers	\$52.15
SU-J Bolt-6	Six Stainless J Bolts with nuts & washers	\$78.12

Bonded Conduit Entry Fittings



Part #	Description	List Price
PF-BC-1.1	Bonded couduit fitting for 3/4" Rigid Conduit	\$33.68
PF-BC-1.4	Bonded conduit fitting for 1" Rigid Conduit	\$33.68

Electronic Sensors and Sensor Mounting Kits



Part #	Description	List Price
ES-EL-U	Veeder Root 208 Sensor installed in a Single Wall Sump Each	\$1,162.66
ES-EL-DW	VR 208 & 304 Sensors installed in a Double Wall Sump	\$3,056.63
SU-SMK-1.9	Sensor Mounting Kit for VR 208 Sensors	\$24.47
SU-SMK-2.5R	Sensor Mounting Kit for 208 sensors mounted inside a fiberglass tube for easy removal of the sensor	\$75.00

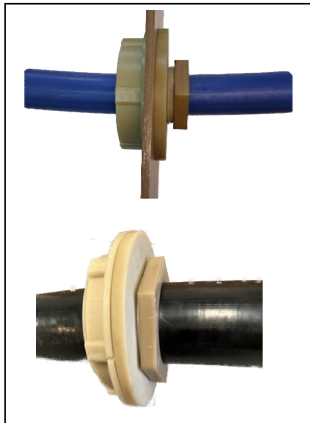




"Better by Design"

FGC Series Penetrations

Fiberglass Penetrations for Flex & NOV Pipe "No Rubber in the Sump" for DPM Single & Double Wall Sumps Direct Burial



Part #	Description	List Price
PF-FGC-1.18-DB	Compact Fiberglass Penetration for OPW-C075A	\$146.96
PF-FGC-1.27-DB	Compact Fiberglass Penetration for APT-XP-100-D	
PF-FGC-1.47-DB	Compact Fiberglass Penetration for APT-XP-100-SC	
PF-FGC-1.50-DB	Compact Fiberglass Penetration for OPW-C10A	
PF-FGC-1.70-DB	Compact Fiberglass Penetration for APT-XP-150-D	
PF-FGC-1.90-DB	Compact Fiberglass Penetration for APT-XP-150-SC	
PF-FGC-2.00-DB	Compact Fiberglass Penetration for OPW-C15A	
PF-FGC-2.15-DB	Compact Fiberglass Penetration for APT-XP-175-D	
PF-FGC-2.38-DB	Compact Fiberglass Penetration for NOV 2" Single Wall Pipe	
PF-FGC-2.45-DB	Compact Fiberglass Penetration for OPW-C20A & APT XP-200-D	
PF-FGC-2.65-DB	Compact Fiberglass Penetration for APT-XP-200-SC	
Note for OmegaFlex DoubleTrac Products refer to our OmegaFlex Catalog		

Fiberglass Penetrations for Flex & NOV Pipe "No Rubber in the Sump" for DPM Single & Double Wall Sumps used with Corrugated Duct



Part #	Description	List Price
PF-FGC-1.18-CD	Compact Fiberglass Penetration for OPW-C075A	\$208.98
PF-FGC-1.27-CD	Compact Fiberglass Penetration for APT-XP-100-D	
PF-FGC-1.47-CD	Compact Fiberglass Penetration for APT-XP-100-SC	
PF-FGC-1.50-CD	Compact Fiberglass Penetration for OPW-C10A	
PF-FGC-1.70-CD	Compact Fiberglass Penetration for APT-XP-150-D	
PF-FGC-1.90-CD	Compact Fiberglass Penetration for APT-XP-150-SC	
PF-FGC-2.00-CD	Compact Fiberglass Penetration for OPW-C15A	
PF-FGC-2.15-CD	Compact Fiberglass Penetration for APT-XP-175-D	
PF-FGC-2.45-CD	Compact Fiberglass Penetration for OPW-C20A & APT XP-200-D	
PF-FGC-2.65-CD	Compact Fiberglass Penetration for APT-XP-200-SC	
Note for OmegaFlex DoubleTrac Products refer to our OmegaFlex Catalog		

Diversified Fiberglass Bonder & Cleaner for Fiberglass Penetrations and Repair Kits



Part #	Description	List Price
CH-DFB-50ml	50ml Cart Set Epoxy Fiberglass Bonder for Fiberglass Penetrations <small>includes one CH-DSM-V Static Mixer. Use with CH-DAG-III and CH-DSM-V</small>	\$104.12
CH-DSM-V	Static Mixer for use with CH-DBF-50ml <small>This is a fast curing Product. Additional Static Mixers may be required.</small>	\$15.76
CH-DAG III	Plastic Applicator Gun <small>for use with 50ml Cartridge Sets</small>	\$142.49
CH-DAG III M	Metal Applicator Gun <small>for use with 50ml Cartridge Sets</small>	\$192.50
CH-DBC II	Diversified Bulkhead Cleaner for use prior to bonding	\$20.36



One 50 ml Cartridge Set for every 4 fittings if installing -DB series in the field.
One additional 50 ml Cartridge set for every 4 fittings when water tight seals on Corrugated Duct Systems are required.



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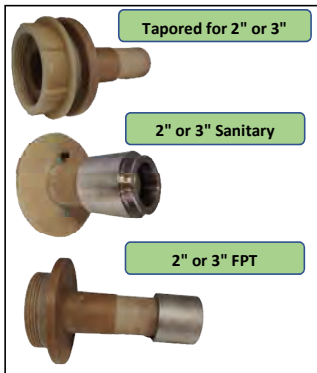




"Better by Design"

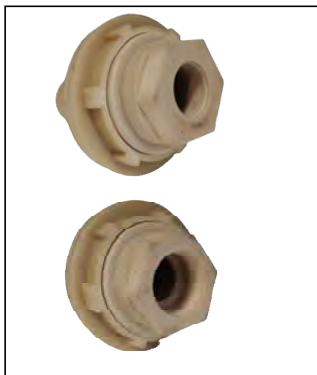
FGT Series Penetrations

Fiberglass Penetrations for NOV Pipe "No Rubber in the Sump" for DPM Single & Double Wall Sumps



Part #	Description	List Price
PF-FGT-2NOVx2G	Threaded for 2" Single Wall Pipe also see compact fittings	\$162.28
PF-FGT-3NOVx3G	Threaded for 3" Single Wall Pipe also see compact fittings	\$168.00
PF-FGT-2LCXx2G	Threaded for 2" LCX Double Wall Pipe with test and drain ports	\$162.28
PF-FGT-3LCXx3G	Threaded for 3" LCX Double Wall Pipe with test and drain ports	\$212.14
PF-FGT-3x2G	Threaded for 3" over 2" Double Wall Pipe over Pipe with test and drain Ports	\$180.00
PF-FGT-4x3G	Threaded for 4" over 3" Double Wall Pipe over Pipe with test and drain ports	\$212.44

Fiberglass fittings for Above Ground UDC's with Hex head and no test or drain ports



Part #	Description	List Price
PF-FGT-1.5FPTx2G	Threaded for 1 1/2" MPT single wall pipe	\$155.60
PF-FGT-2FPTx2G	Threaded for 2" MPT single wall pipe	\$155.60

Diversified Fiberglass Bonder & Cleaner for Fiberglass Penetrations and Repair Kits



Part #	Description	List Price
CH-DFB-50ml	50ml Cart Set Epoxy Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III and CH-DSM-V	\$104.12
CH-DSM-V	Static Mixer for use with CH-DBF-50ml This is a fast curing Product. Additional Static Mixers may be required.	\$15.76
CH-DAG III	Plastic Applicator Gun for use with 50ml Cartridge Sets	\$142.49
CH-DAG III M	Metal Applicator Gun for use with 50ml Cartridge Sets	\$192.50
CH-DBC II	Diversified Bulkhead Cleaner for use prior to bonding	\$20.36



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"Better By Design"

Basic 24x24x30 Commercial Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered Commercial Sumps. Commercial Sumps with pre engineered Product Line Assemblies completes the project with only two product numbers to order.

Commercial Sump Frame



All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are specifically designed to match the unique dispenser provided. For frame sizes refer to the Frame Selection Chart at the end of this catalog.

These sumps are designed to be used with traditional threaded or studded penetrations. DPM's Compact & FGT Fiberglass series Penetrations series works nicely with this sump design.

Commercial Sump Base

The sump can support up to 2 Lines.

Product Line Assemblies include the Stabilizer Bar Assembly, Shear Valve, Flex Connector with quick release and a fiberglass penetration to match the piping system supplied.

Product Line Assembly



Standard Product Line Assemblies with all components engineered to fit these sumps are available for those wishing to field install the components.

These sumps may be supplied with an alarm sensor installation kit for quick and cost effective installation of the alarm sensor.



Penetrations



Sensor Mtg Kit

Third Party Approvals



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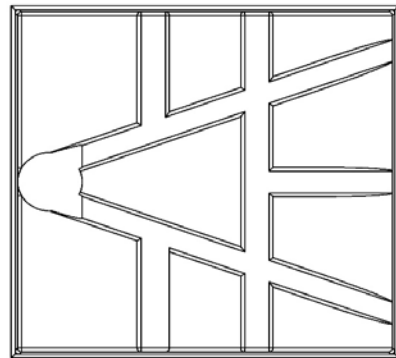
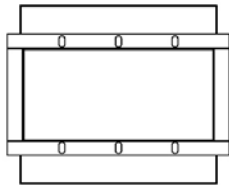
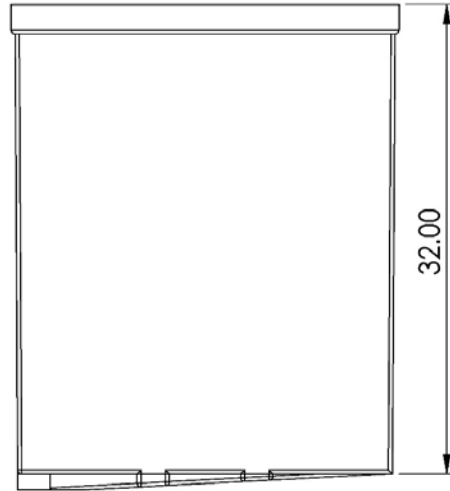
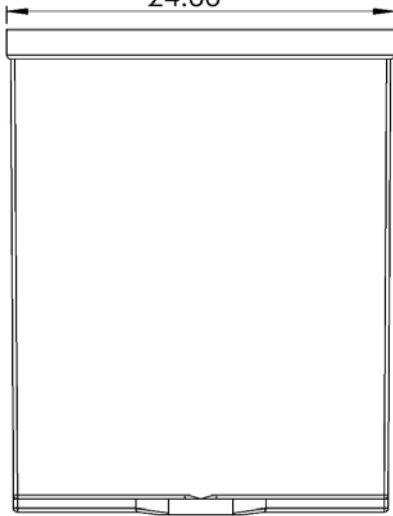
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B

B

24.00

32.00



MFG	DISPENSER	FOOTPRINT	FRAME
Gilbarco	ATLAS	28.41" x 15+"	-2412 G
Wayne	36700	32.25" x 19.37"	-2715 W
Bennett	3000	30" x 20"	-2312 B

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		DIMENSIONS ARE IN INCHES		NAME	DATE
		TOLERANCES:		DRAWN	
		FRACTIONAL: ±		CHECKED	
		ANGULAR: MACH ± BEND ±		ENG APPR.	
		TWO PLACE DECIMAL ±		MFG APPR.	
		THREE PLACE DECIMAL ±		Q.A.	
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2

1



"Better By Design"

Basic Econo Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered Econo Sumps. Econo Sumps with pre engineered Product Line Assemblies completes the project with only two product numbers to order. The Split UDC reduces fabrication and installation time.



Econo Sump Frame

All components are either UL Listed or third party approved for their respective applications.

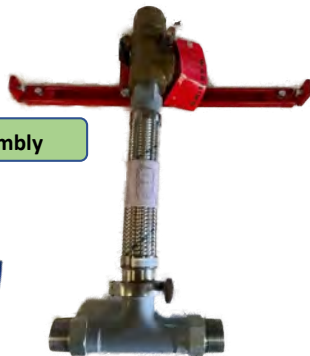


Econo Sump Base

Fiberglass sumps and frames match the dispenser specified. These sumps are specifically designed to match the unique dispenser provided. The initial sump fits the Gilbarco 700 series. Contact the factory for other dispensers.

These sumps are designed to be used with traditional threaded or studded penetrations. DPM's fiberglass Compact series works nicely with this sump design.

Available only in single wall configurations.



Product Line Assembly

The sump can support up to 3 Lines. The location of the penetrations are marked on the sump sides for 3+0 and 3+1 applications. Contact the factory for 4 Line applications.

Product Line Assemblies include the Stabilizer Bar Assembly, Shear Valve, Flex Connector with quick release and a fiberglass penetration to match the piping system supplied.

Econo Product Line Assemblies with all components engineered to fit these sumps are available for those wishing to field install the components.



Penetrations

These sumps may be supplied with an alarm sensor installation kit. For quick and cost effective installation of the alarm sensor



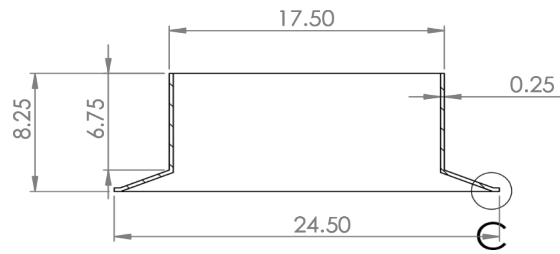
Sensor Mtg Kit

Third Party Approvals

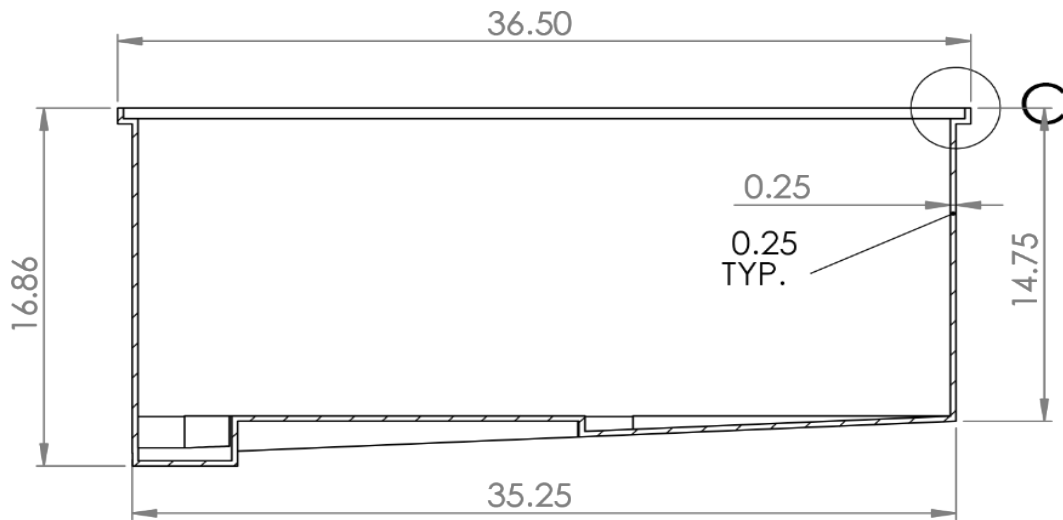


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Frame Assembly for Econo Sump



Base for Econo Sump Assembly



"Better By Design"

Basic 40x24x30 Retail Sumps for Under Dispenser Containment Sumps

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Basic Retail Sumps. Retail Sumps with pre engineered Product Line Assemblies completes the project with only two product numbers to order.

Retail Sump Frame



All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are specifically designed to match the unique dispenser provided. For frame sizes refer to Frame Selection Chart at the end of this catalog

These sumps are designed to be used with traditional threaded or studded penetrations. DPM's Compact & FGT Fiberglass series of penetrations work nicely with this sump design.

Retail Sump Base

The sump can support up to 4 Lines.

Product Line Assemblies include the Stabilizer Bar Assembly, Shear Valve, Flex Connector with quick release and a fiberglass penetration to match the piping system supplied.

Product Line Assembly



Standard Product Line Assemblies with all components engineered to fit these sumps are available for those wishing to field install the components.

These sumps may be supplied with an alarm sensor installation kit for quick and cost effective installation of the alarm sensor.

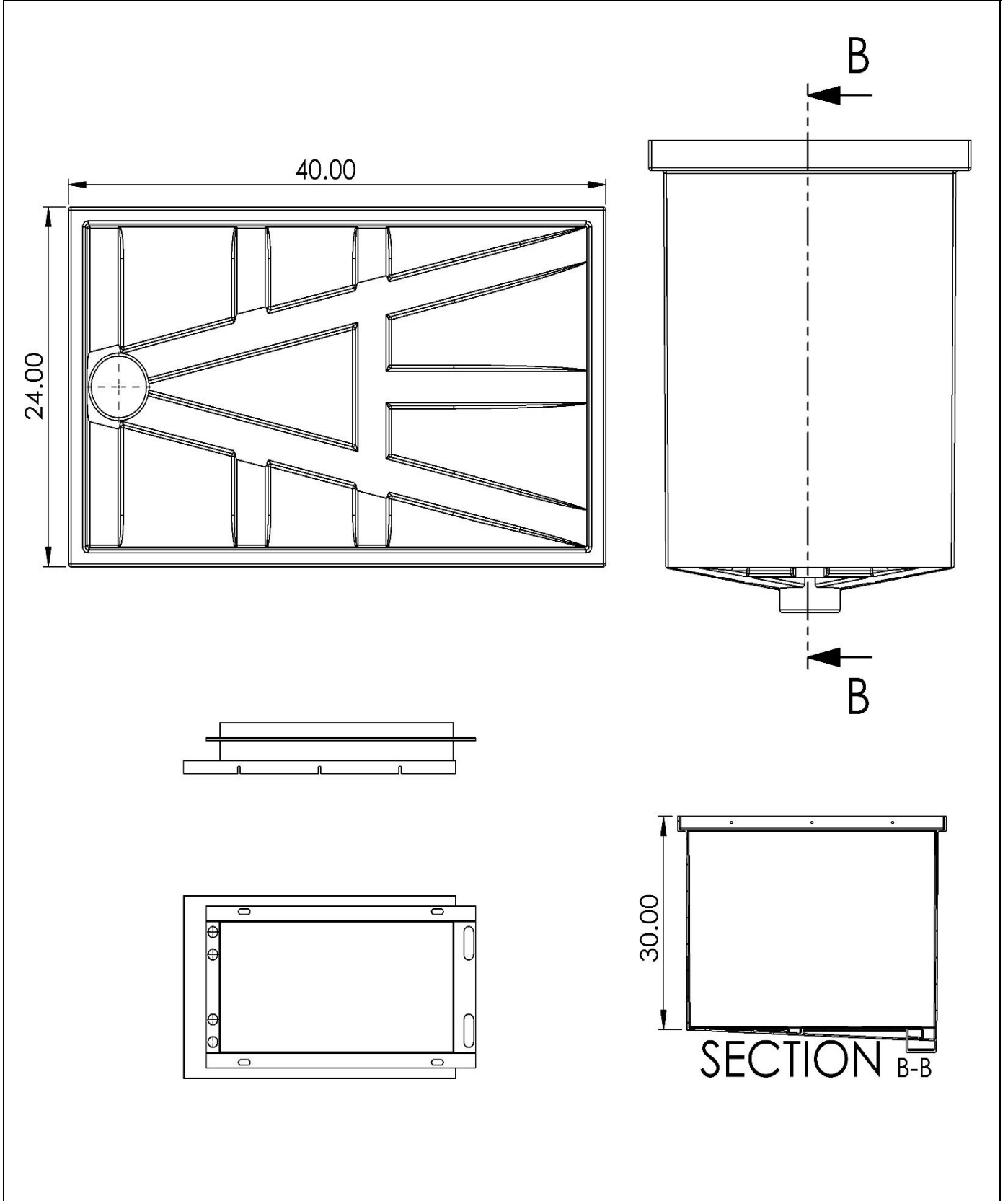
Penetrations



Sensor Mtg Kit

Third Party Approvals





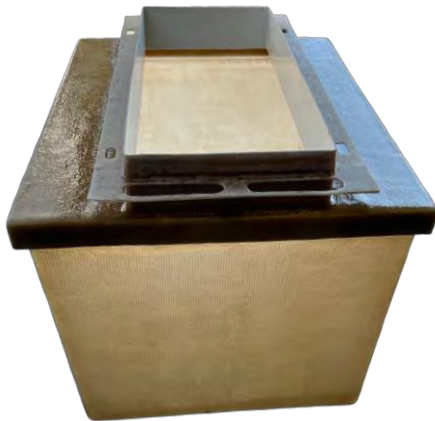


"Better By Design"

Basic 40x36x30 Jumbo Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered UDC Systems The jumbo sump series provides greater room to make up connections for pipes with large terminating fittings such as fusion welded and Omegaflex heads.



All components are either UL Listed or third party approved for their respective applications.

These Jumbo sumps and frames match the dispenser specified. These sumps are multi tasking in that with just a change in the frame, this sump will match up to all Dispensers in the market. Refer to the Frame Selection Chart at the end of this catalog.

These sumps have a wide footprint being 40" long by 36" wide. The 36" width allows more room for terminating piping.

Engineered sumps are available in single wall and double wall configurations. For Double Wall applications the sump is shipped with the brine installed under 4 PSIG pressure

The sump can support up to 4 Lines. The location of the penetrations are marked on the sump sides for Gilbarco 700 3+0 and 3+1 and 3+1+1 applications.

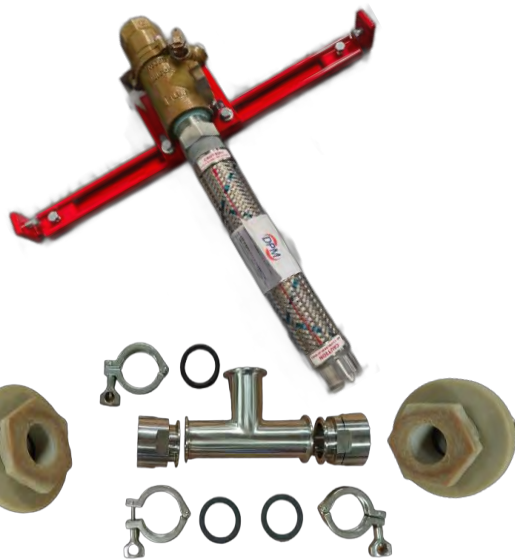
These sumps are assembled with powder coated stabilizer bars and shear valves. All product lines are manufactured from stainless steel and are bonded to fiberglass fittings.

Flex Connectors are stainless with quick release configurations on both pass through and end of run configurations.

Engineered systems are completely factory fabricated with all components requested to complete the project. Drop in place, pipe and wire to the outside of the sump and you are done.

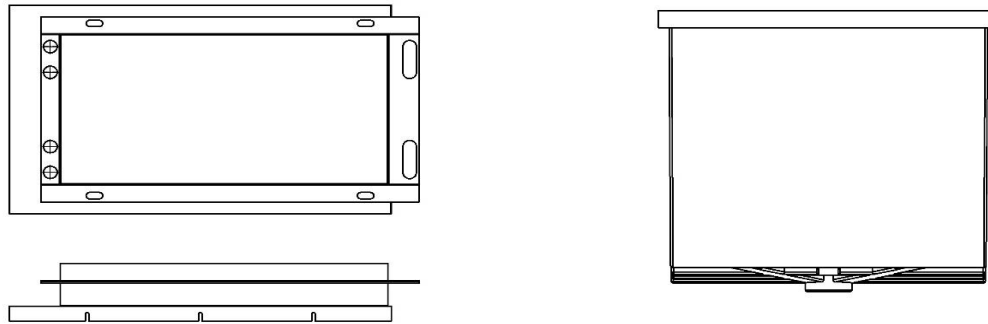
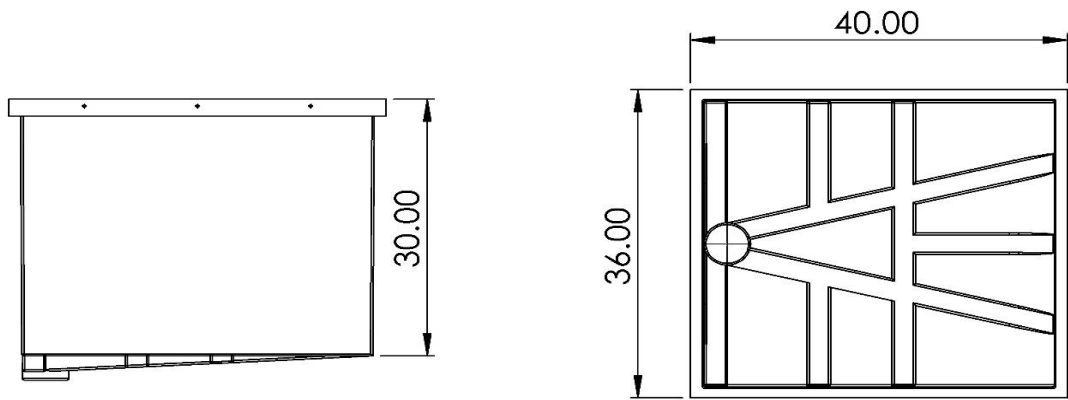
Sumps may be ordered as basic units without trim, with Product Line Assemblies or as complete engineered systems.

Sumps may be ordered with the alarm sensors installed.



Third Party Approvals





MFG	DISPENSER	FOOTPRINT	FRAME
Gilbarco	Encore	40 9/16" x 23 3/4"	-3617 G
Wayne	Ovation	43.46" x 19.42"	-4015 W
Bennett	Pacific	44 3/8" x 19 1/4"	-4015 B



"Better By Design"

24x24x30 Commercial Engineered Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered UDC Systems



Single Wall 24x24 UDC w/Frame



Double Wall Components

All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are multi tasking in that with just a change in the frame, this sump will match up to all Dispensers in the market.

These sumps are may be used with traditional threaded or studded penetrations. DPM manufactures engineered systems using stainless piping and fiberglass bonded fittings.

Engineered sumps are available in single wall and double wall configurations. For Double Wall applications the sump is shipped with the brine installed under 4 PSIG pressure

The sump can support up to 2 Lines.

These sumps are assembled with powder coated stabilizer bars and shear valves. All product lines are manufactured from stainless steel and are bonded to fiberglass fittings.

Flex Connectors are stainless with quick release configurations on both pass through and end of run configurations.

Engineered systems are completely factory fabricated with all components requested to complete the project. Drop in place pipe and wire to the outside of the sump and you are done.

Third Party Approvals

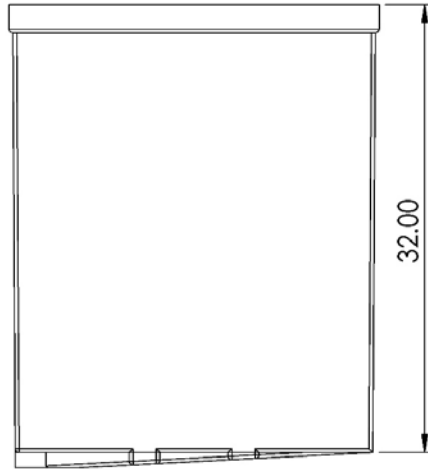
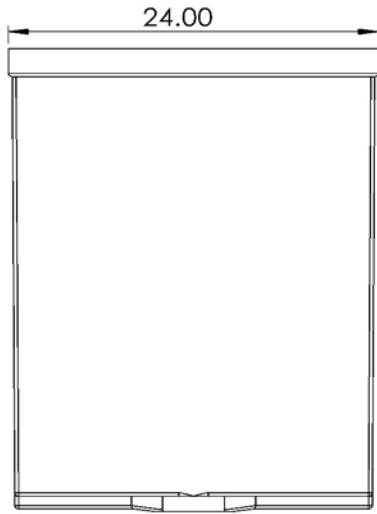


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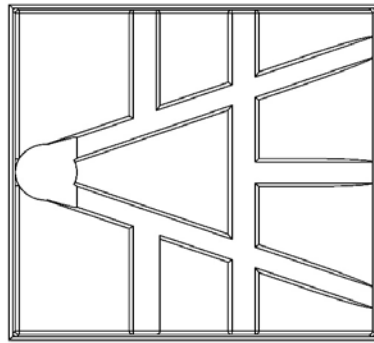
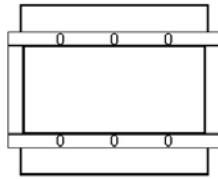
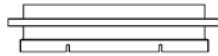
2

1



B

B



A

A

MFG	DISPENSER	FOOTPRINT	FRAME
Gilbarco	ATLAS	28.41" x 15+"	-2412 G
Wayne	36700	32.25" x 19.37"	-2715 W
Bennett	3000	30" x 20"	-2312 B

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APPLICATION		DO NOT SCALE DRAWING					
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				A 24X24X30 SUMP			
				SCALE:1:20 WEIGHT:		SHEET 1 OF 1	

2

1

"Better By Design"

40x24x30 Retail Engineered Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered UDC Systems



Truck Stop Single Wall



Retail Double Wall UDC

All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are multi tasking in that with just a change in the frame, this sump will match up to all Dispensers in the market.

These sumps are may be used with traditional threaded or studded penetrations. DPM manufactures engineered systems using stainless piping and fiberglass bonded fittings.

Engineered sumps are available in single wall and double wall configurations. For Double Wall applications the sump is shipped with the brine installed under 4 PSIG pressure

The sump can support up to 4 Lines. The location of the penetrations are marked on the sump sides for Gilbarco 700 3+0 and 3+1 applications.

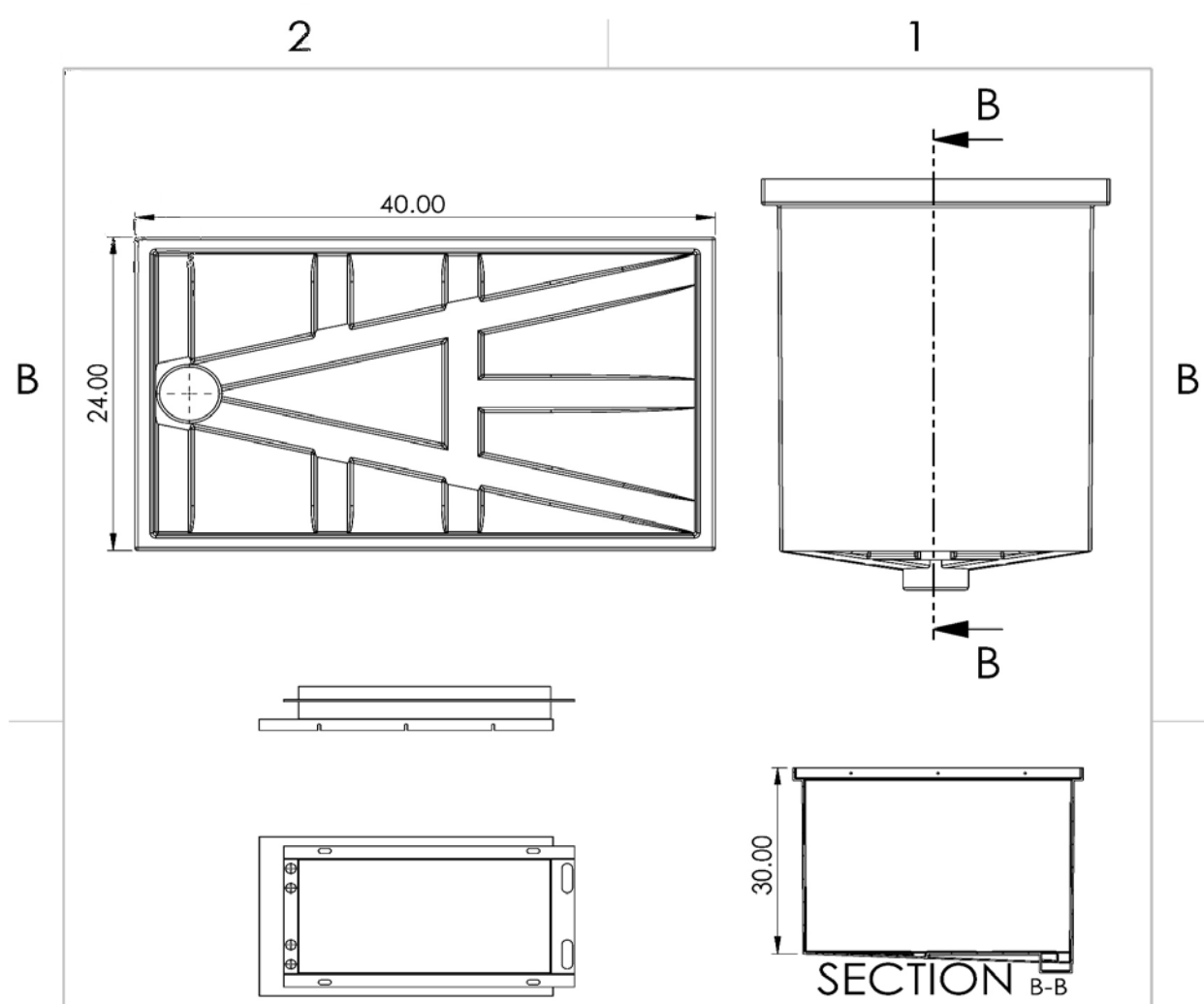
These sumps are assembled with powder coated stabilizer bars and shear valves. All product lines are manufactured from stainless steel and are bonded to fiberglass fittings.

Flex Connectors are stainless with quick release configurations on both pass through and end of run configurations.

Engineered systems are completely factory fabricated with all components requested to complete the project. Drop in place pipe and wire to the outside of the sump and you are done.

Third Party Approvals





MFG	DISPENSER	FOOTPRINT	FRAME
GILBARCO	ENCORE	40 9/16" X 23 3/4"	-3617 G
WAYNE	OVATION	43.46" X 19.42"	-4015 W
BENNETT	PACIFIC	44 3/8" X 19 1/4"	-4015 B

<p>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <COMPANY NAME>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <COMPANY NAME> IS PROHIBITED.</p>		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME DATE	40X24 SUMP
		MATERIAL	DRAWN CHECKED ENG APPR. MFG APPR.	Q.A. COMMENTS:	
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"Better By Design"

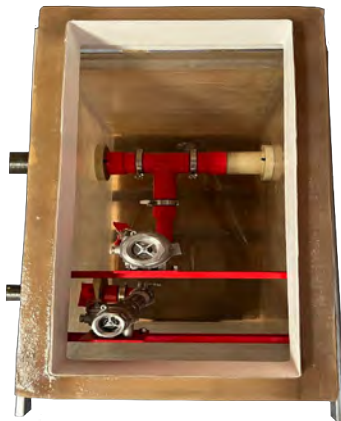
40x24x30 Truck Stop Engineered Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered UDC Systems.



Truck Stop Single Wall



Truck Stop Master

All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are multi tasking in that with just a change in the frame, this sump will match up to all Dispensers in the market. Refer the the Frame Selection Chart at the end of this catalog.

These sumps are manufactured using DPM's Fiberglass Penetration fittings. Fiberglass Penetrations are connected to stainless piping using sanitary Fittings

All internal piping components may be removed and replaced. All End of Run lines are terminated with a blind fitting, providing more support in the sump and allows for future lines to be extended from the sump

Engineered Truck Stop systems are available in Single Wall and Double Wall Configurations. Double Wall Sumps are shipped with the brine installed under 4 PSIG Pressure.

On Master/Satellite units three shear valves are provided, 2" double poppet on supply, 1 1/2" Double poppet inlet and 1 1/2' Single poppet outlet.

These Truck Stop UDC's have no fittings between sumps, only a straight run between UDC's. This reduces labor and material costs.

Engineered systems are completely factory fabricated with all components requested to complete the project. Drop in place pipe and wire to the outside of the sump and you are done.

Third Party Approvals



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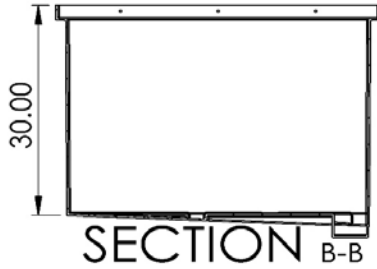
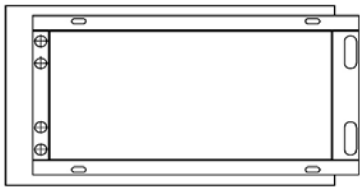
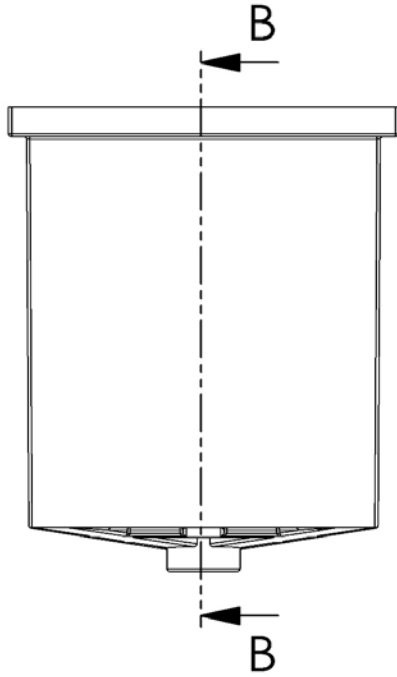
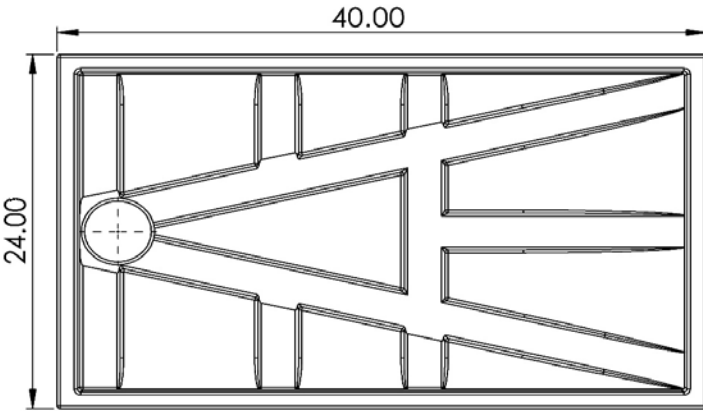


2

1

B

B



A

A

MFG	DISPENSER	FOOTPRINT	FRAME
GILBARCO	ENCORE	40 9/16" X 23 3/4"	-3617 G
WAYNE	OVATION	43.46" X 19.42"	-4015 W
BENNETT	PACIFIC	44 3/8" X 19 1/4"	-4015 B

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"Better By Design"

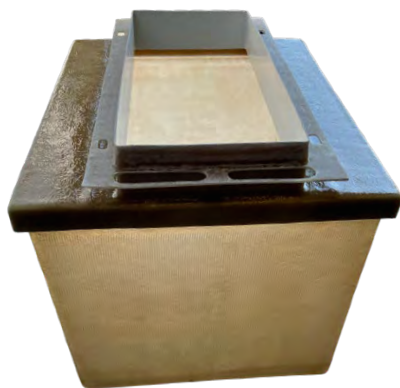
40x36x30 Truck Stop Engineered Sumps for Under Dispenser Containment

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been buying components to comply with these regulations. Multiple manufacturers offered products and contractors had to sort out all dimensional issues, compatibility between manufacturers and had to have complex estimating procedures. Diversified has now solved these and other problems with the introduction of our Engineered UDC Systems.



Jumbo Truck Stop Single



36" Wide Jumbo Sump

All components are either UL Listed or third party approved for their respective applications.

Fiberglass sumps and frames match the dispenser specified. These sumps are multi tasking in that with just a change in the frame, this sump will match up to all Dispensers in the market. Refer to the Frame Selection Chart at the end of this catalog.

These sumps are manufactured using DPM's Fiberglass Penetration fittings. Fiberglass Penetrations are connected to stainless piping using sanitary Fittings

All internal piping components may be removed and replaced. All End of Run lines are terminated with a blind fitting, providing more support in the sump and allows for future lines to be extended from the sump

Engineered Truck Stop systems are available in Single Wall and Double Wall Configurations. Double Wall Sumps are shipped with the brine installed under 4 PSIG Pressure.

On Master/Satellite units three shear valves are provided, 2" double poppet on supply, 1 1/2" Double poppet inlet and 1 1/2" Single poppet outlet.

These Truck Stop UDC's have no fittings between sumps, only a straight run between UDC's. This reduces labor and material costs.

Engineered systems are completely factory fabricated with all components requested to complete the project. Drop in place pipe and wire to the outside of the sump and you are done.

Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

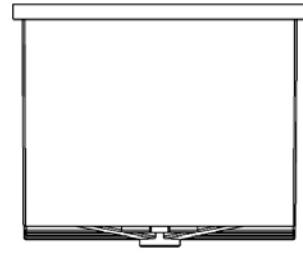
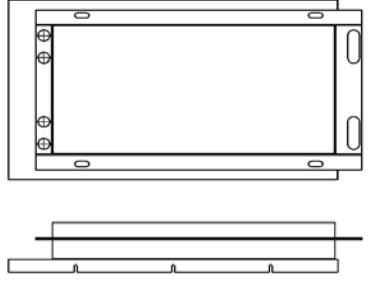
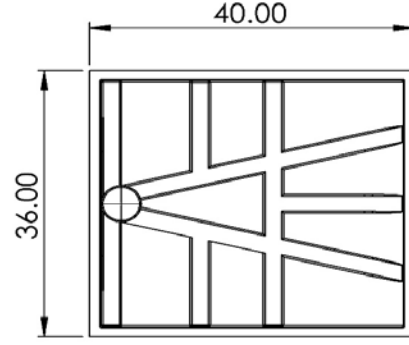
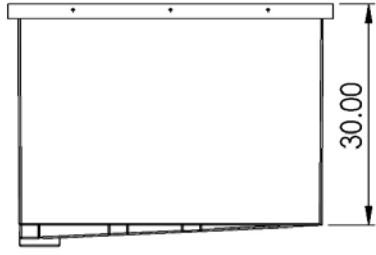


2

1

B

B



MFG	DISPENSER	FOOTPRINT	FRAME
Gilbarco	Encore	40 9/16" x 23 3/4"	-3617 G
Wayne	Ovation	43.46" x 19.42"	-4015 W
Bennett	Pacific	44 3/8" x 19 1/4"	-4015 B

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A

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APPLICATION		DO NOT SCALE DRAWING		A		REV.	



"Better By Design"

Product Line Assemblies for Commercial & Retail Sumps

Technical Data Sheet

Product Line Assemblies are designed and assembled at the factory for easy installation in the Econo series of UDC's. The assemblies support the installation of a split sump and will match the penetration layout every time. These assemblies may be used in any of the econo sumps for various dispenser manufacturers.



SBA, Shear Valve & Flex

All components are either UL Listed or third party approved for their respective applications.

Product Line Assemblies include the stabilizer Bar Assembly, a 1 1/2" Double Poppet Shear valve w/ female thread, flex connector engineered for the Econo Sump.

Stabilizer Bar Assemblies are epoxy powder coated steel and allow movement in all directions. They are easily installed for all dispensers mounted on DPM's Econo UDC's.

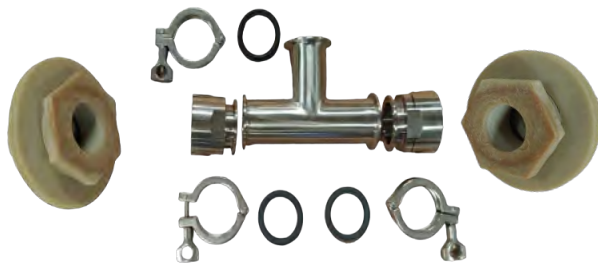
Shear valves are double Poppet design and have a 1 1/2" FPT thread at the top. Cast Iron Epoxy Powder coated.

Flex connectors are manufactured with a 1 1/2" MPT thread with a rugged hex on one end and a quick release on the second end.

The flex end pieces are either an elbow or tee configuration. These end pieces are available in 1 1/2"Female Pipe thread, Sanitary Quick release or in a clamshell barbed configuration to be released in 2023.

Penetration fittings designed for Flex Pipe or NoV pipe are included in the product ordered

PLA's are pressure tested prior to leaving the factory to 75 PSIG.



Pass Through Assembly

Third Party Approvals



EQ-742 EQ-801 EQ-836

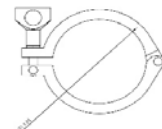
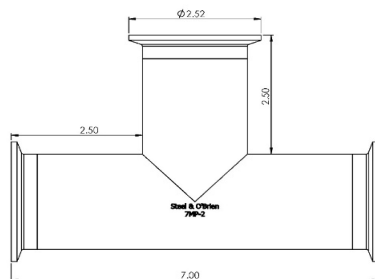
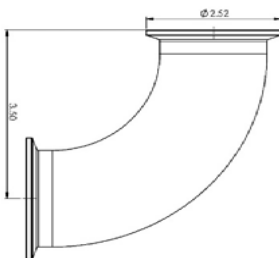
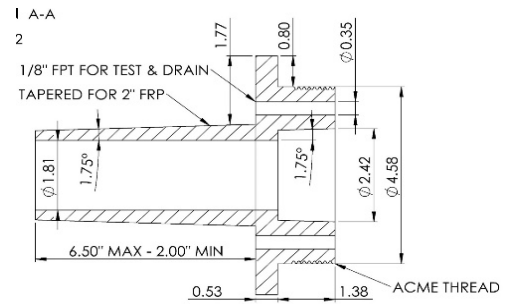
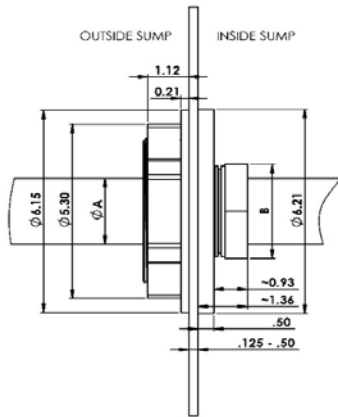
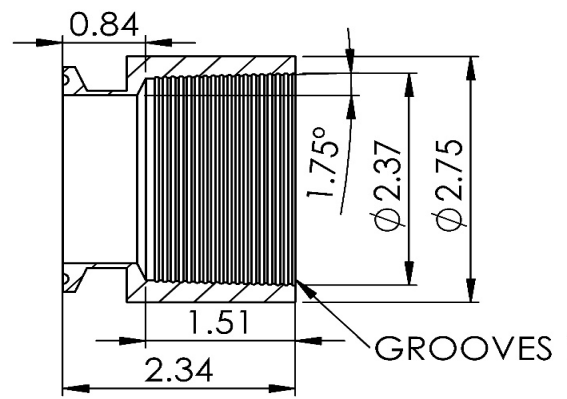
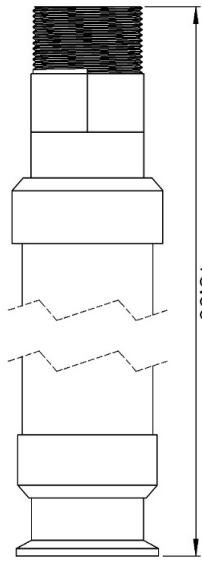
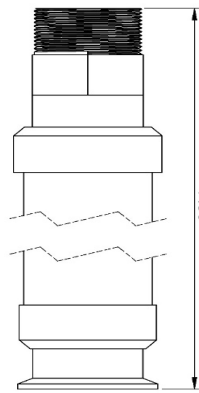
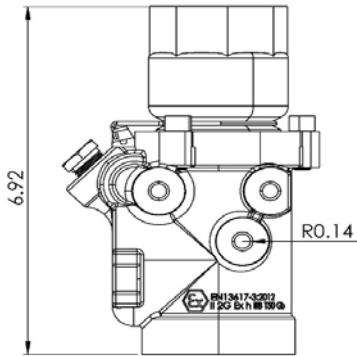


THIRD-PARTY UL 2447



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"Better By Design"

Compact Fiberglass Penetrations

Technical Data Sheet

Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for Penetration Fittings that will last as long as the tanks. For flex pipe, the fitting must allow the pipe to be replaceable without breaking ground and there must be no "rubber" products inside the sump. DPM has the answer with the introduction of its "Compact" series of penetrations for Flex Pipe, Semi Rigid, and Rigid Fiberglass Pipe. The Compact Penetration Fitting assures the site owner that this cost will never be experienced again. Millions of repair dollars can be avoided in future budgets where these fittings are installed.



Direct Burial Compact Penetration

All components are either UL Listed or third party approved for their respective applications.

The Compact Fitting has a body, nut, compression nut, and seal. For those installing pipe in a Corrugated Duct, there is a terminating reducer that provides a water tight seal between the ducting and the penetration fitting.

Compact Penetrations are pressure tested in excess of 60 psi without leakage. Refer to DPM's test Data Summary.

Compact Penetrations may be used with flex pipes terminating with male swivel, sanitary, or barbed connections.

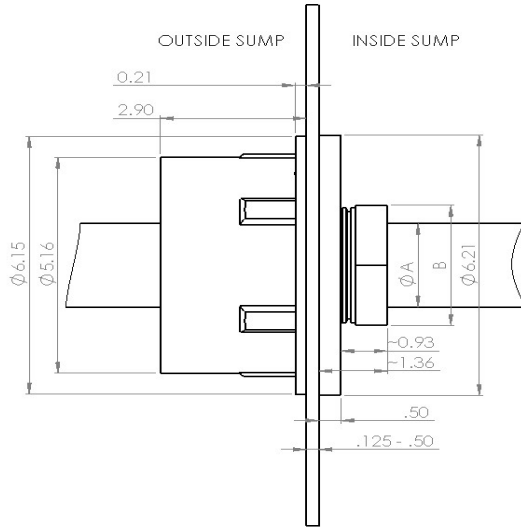
Compact Penetrations are available for all Pipe manufacturers including Flex Pipes, Metric Pipes, Semi rigid Pipes and Fiberglass Pipe.



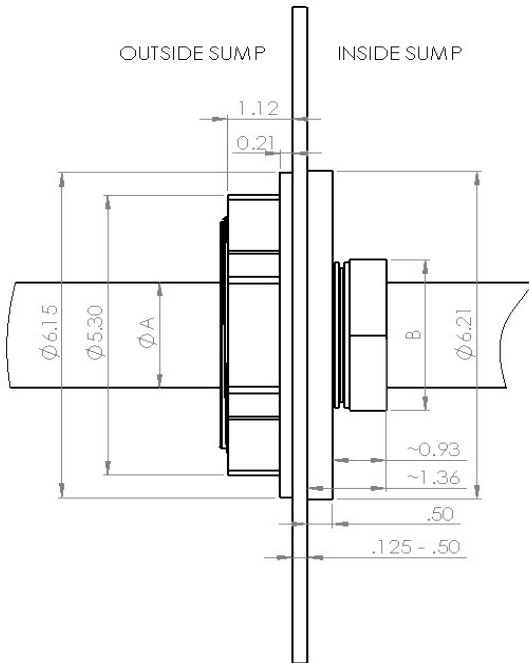
Compact Penetration with Corrugated Duct Boot

Third Party Approvals





Compact Fitting for Corrugated Duct Application



Direct Burial Application

A	Mfg	Pipe
PF-FGC-1.18	OPW	C-075A
PF-FGC-1.22	Brugg	CHT 21/31
PF-FGC-1.27	APT	XP-100-D
PF-FGC-1.47	APT	XP-100-SC
PF-FGC-1.50	OPW	C-10A
PF-FGC-1.50	Brugg	CHT 30/38

PF-FGC-1.70	APT	XP-150-D
PF-FGC-1.90	APT	XP-150-SC
PF-FGC-1.90	Brugg	HL 30/48
PF-FGC-2.00	OPW	C-15A
PF-FGC-2.15	APT	XP-175-SC
PF-FGC-2.38	NOV	Red Thread
PF-FGC-2.45	APT	XP-200-D
PF-FGC-2.45	OPW	C-20A
PF-FGC-2.45	OPW	#
PF-FGC-2.50	Brugg	SEC 40
PF-FGC-2.65	APT	XP-200-SC
PF-FGC-2.65	Brugg	CHT 48/60
PF-FGC-2.80	Brugg	CHT 60/71
PF-FGC-2.80	Brugg	HL 48/71
PF-FGC-3.00	Brugg	SEC 50
PF-FGC-3.30	Brugg	HL 60/83

Size	B
Small	3.18"
Medium	4.03"
Large	



"Better By Design"

"FGT" Series Fiberglass Penetrations

Technical Data Sheet

Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for Penetration Fittings that will last as long as the tanks. DPM has the answer with the introduction of its "FGT" series of penetrations for Rigid Fiberglass Pipe. The FGT Penetration Fitting assures the site owner that costs associated with repairing failed rubber components will never be experienced again. Millions of repair dollars can be avoided in future budgets where "FGT" fittings are installed.



Tapored End for 2 or 3" FRP

All components are either UL Listed or third party approved for their respective applications.

The "FGT" series fitting has a body & nut. The FRP pipe is extended into the sump as an integral part of the fitting. Ends terminating inside the sump may be tapered to match 2" or 3" FRP pipe or may be adapted to a 2" or 3" sanitary seals or may be provided with 2" or 3" FPT threads.

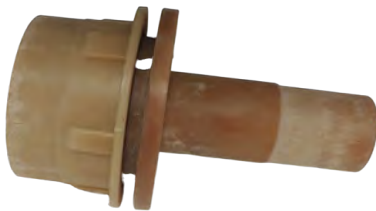


Stainless End with 2" or 3" FPT

"FGT" series penetrations are available with test and drain ports for interstice testing and drain back to the sump.

"FGT" series penetrations are available for 2" & 3" single wall fiberglass, 2" & 3" LCX, and 3" over 2" or 4" over 3" fiberglass.

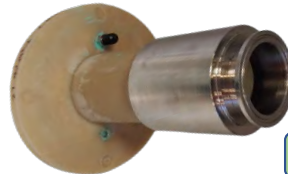
A unique series of The "FGT" fitting has a large Hex head on the sump exterior suitable for threading in 2" or 3" MPT pipe.



Nut shown for double wall Applications

Nut shown accomodates 2" LCX, 3" over 2", 3" LCX & 4" over 3".

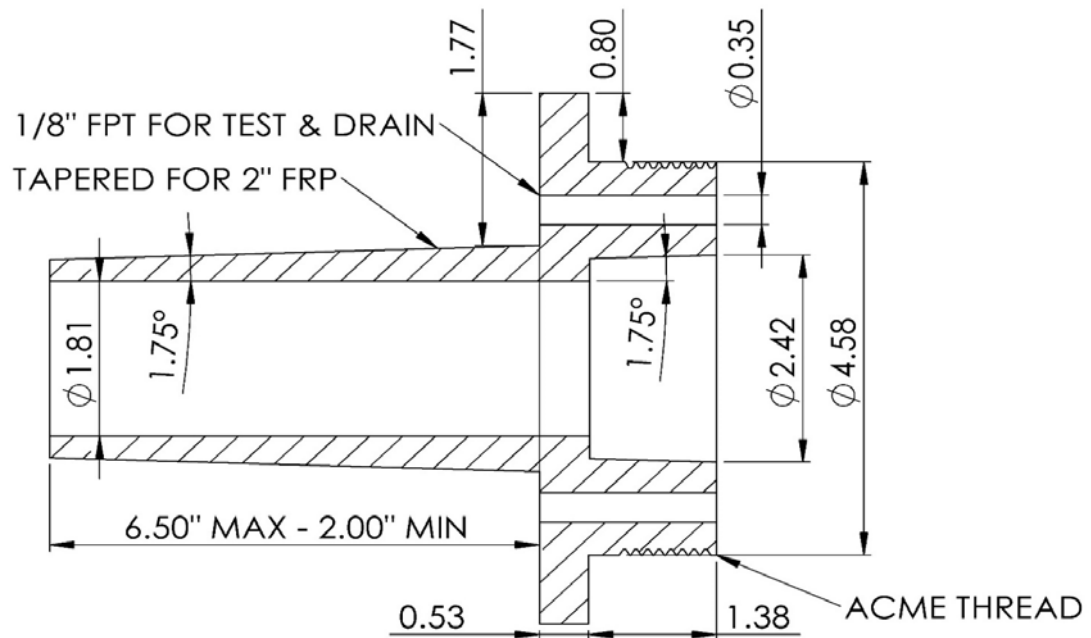
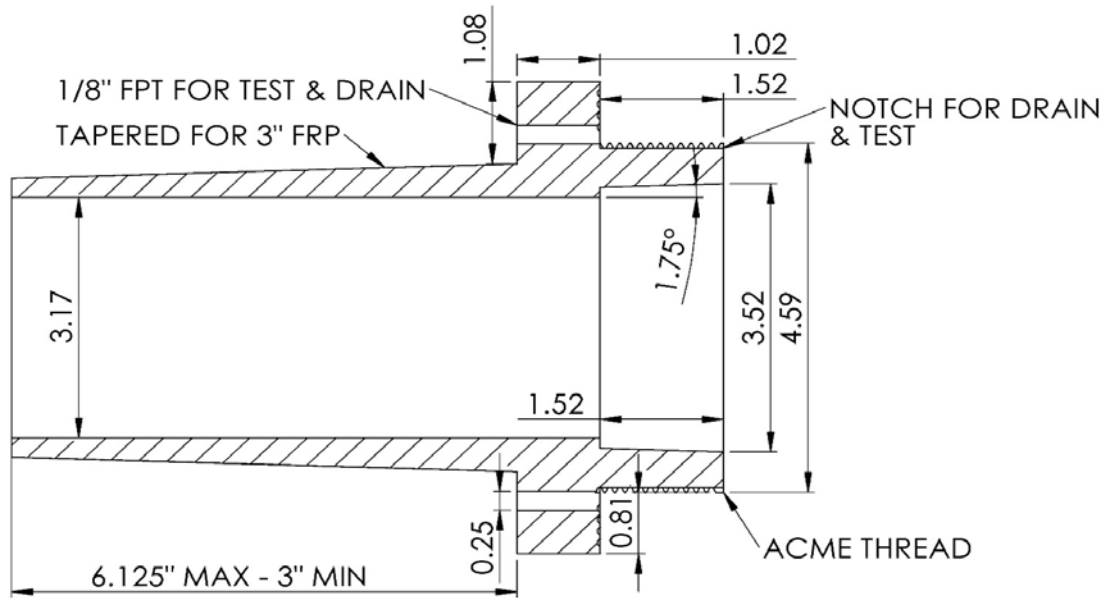
Body Shown includes a test valve and drain port.



Shown with Test & Drain openings

Third Party Approvals







"Better By Design"

"BC" Series of Bonded Conduit entry fittings

Technical Data Sheet

Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for Penetration Fittings that will last as long as the tanks. DPM has an answer with the conduit penetrations, the PF-BC Series of penetrations for Rigid Steel Pipe. There are no rubber components assuring the site owner that costs associated with repairing failed rubber components will never be experienced again. Millions of repair dollars can be avoided in future budgets where "BC" conduit fittings are installed.

All components are either UL Listed or third party approved for their respective applications.



Shown from sump exterior

The "BC" series fitting has a only a bonded body & no nut. The steel pipe is extended into the sump through a bore in the fitting. The fitting is directly bonded to the pipe and to the sump wall.

"BC" series penetrations are available for 3/4" rigid and 1" rigid conduits.



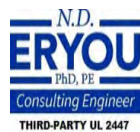
Shown with conduit nipple

Shown installed from sump exterior



Shown installed from sump interior

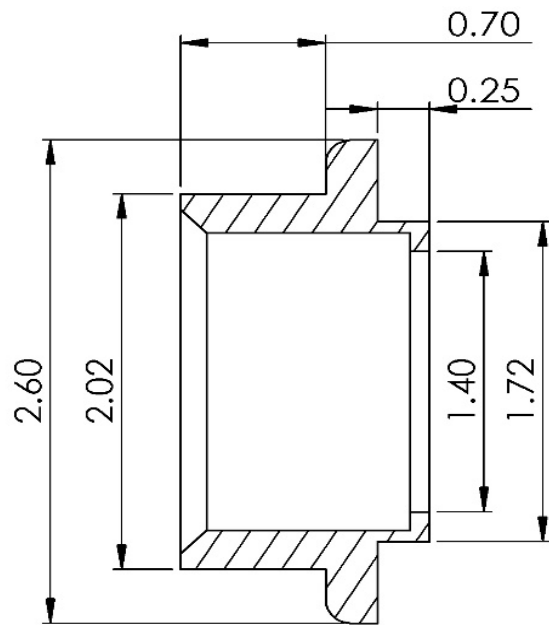
Third Party Approvals



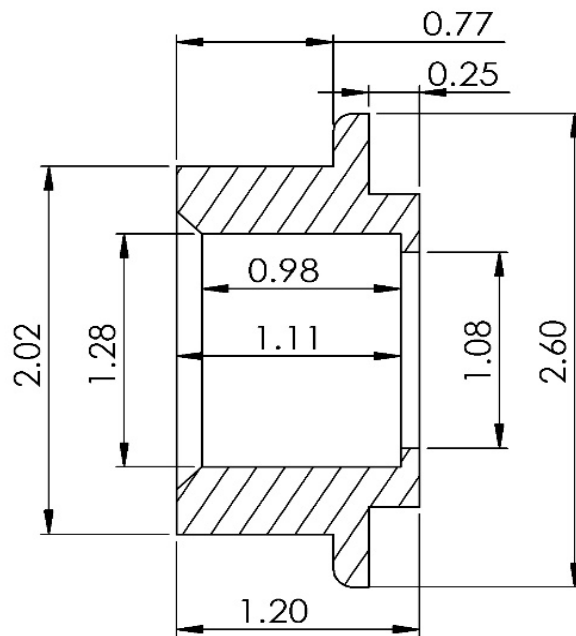
EQ-742 EQ-801 EQ-836

THIRD-PARTY UL 2447





PF-BC-1.4 1" Bonded Conduit Fitting



PF-BC-1.1 3/4" Bonded Conduit Fitting



"Better By Design"

Sensor Mounting Kits & Installed Sensors

Technical Data Sheet

Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for the installation of alarm sensors and sensor mounting kits. DPM has the answers. Alarm sensors are available to match the alarm system being provided. These sensors are installed and wired in several configurations. For those providing their own sensors a convenient sensor mounting kit is available for direct purchase or mounting over the unique alarm cup in Diversified's sumps.



Factory Installed "208" Sensor

All components are either UL Listed or third party approved for their respective applications.

The SU-SMK is standard for Veeder Root "208" series sensors. If other sensors are specified, DPM can provide those as well.

Wiring may be factory installed through a Unilet, Seal off and extended through a waterproof fiberglass fitting to the sumps exterior. This is often accomplished in UDC's and Transition sumps.

Optionally the wiring may be left loose to be run by the electrician through the frame of a UDC.



SU-SMK for field installation

The sensor kits are often supplied for tank sumps where it is more convenient for field installation.



Various Factory installed options for UDC's and Transition Sumps

Third Party Approvals





"Better By Design"

Stabilizer Bar Assemblies

Technical Data Sheet

Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for sumps with Stabilizer Bar Assemblies. DPM has the answers. Diversified's Stabilizer Bar Assemblies are manufactured out of powder coated or stainless steel unistrut with additional steel components to assure movement in all planes. Stabilizer Bar Assemblies when mated to Diversified's rail system will assure the shear valve is mounted within +/- 1/2" of grade level.



The Stabilizer Bar assembly components are either UL Listed or third party approved for their respective applications.

Stabilizer Bar Assemblies are standard for DPM's 24x24 and 40x24 under dispenser containments sumps.

Customized Stabilizer Bar Assemblies are available for Diversified's 40x36 Jumbo Under Dispenser Containment Sump as well as the family of above Ground UDC's for Gilbarco, Wayne and Bennett Dispensers.



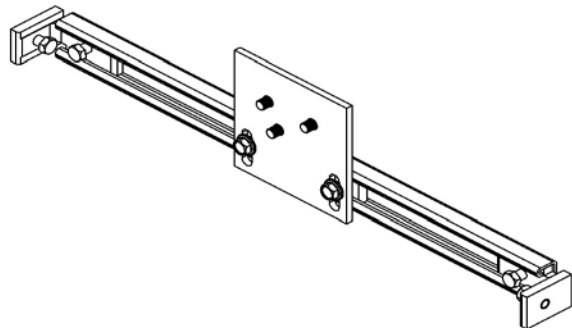
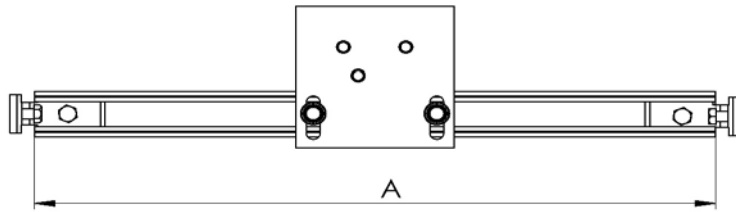
Available in epoxy powder coated steel or all stainless steel for each dispenser available.

Diversified's mounting plate is universal for 3 bolt mounting of all standard shear valves.

Diversified's Stabilizer Bar Assembly accomodates all known 1 1/2" product, Vapor Recovery and 2" product shear valves.

Third Party Approvals





ASSEMBLY SIZING BY SUMP	
SUMP TYPE:	A:
ATLAS	14.0"
BENNET 300/400	18.0"
ECONO	14.625"
JUMBO	38.25"
RETAIL	21.5"
WAYNE 5200/6200	17.375"



"Better By Design"

Conduit Mounting Brackets

Technical Data Sheet

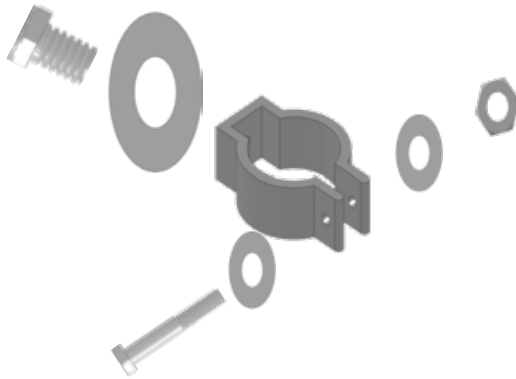
Since the introduction of EPA regulations for Underground Storage Tanks in 1988, there has been a need for sumps with access for electrical connections. Electrical entry into Under Dispenser Containment is made easier by stabilizing the conduits to the side of the sump. This is easily accomplished when conduits are installed into the dispenser from below the dispensers frame. Conduit Mounting Kits stabilize the conduits and secure them to the sump wall. Up to 8 conduit mounting brackets may be installed on a 24" wide sump.

Conduit Mounting brackets do not require UL or third party listings.

Conduit Mounting Brackets are available for 3/4" and 1" Rigid Conduits

Conduit Mounting Kits are field installed and are shipped in a kit or loose in the dispenser sump.

Conduit Mounting Kits include an injection molded clamp for the conduit size selected and mounting hardware.



Third Party Approvals





"Better By Design"

Diversified Bulkhead Cleaner CH-DBC II and Fiberglass Bonder CH-DFB

Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs. Whenever a chemical bond is required the surfaces should be cleaned before bonding. CH-DBC II Cleaner and CH-DFB Epoxy Bonder are companion products designed to be used together.



HMIS Hazard Rating	
0-Mineral	A-Goggles
1-Slight	B-Goggles, gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	2
Flammability	3
Reactivity	0
Protective Wear	B

Non Chlorinated Aerosol for use on Diversified's fiberglass & thermoplastic new construction and repair products

Removes Silicon residue left after the injection molded Products.

Effective Cleaner for Fiberglass and HDPE sumps

Contains Heptane Isomers, Acetone and Carbon Dioxide is a flammable Aerosol and is under Pressure

Color	Clear Colorless
Odor	Solvent
Odor Threshold	N/D
Specific Gravity	0.78
Initial Boiling Point	132 F
Freezing Point	< 100 F
Vapor Pressure	N/D
Evaporation Rate	Fast
Solubility	Slightly Soluble in water
Coefficient of water/oil Distribution	N/D
pH	N/A
Stability	Stable

Color	Clear Colorless
Odor	Solvent
Odor Threshold	N/D
Specific Gravity	0.78
Initial Boiling Point	132 F
Freezing Point	< 100 F
Vapor Pressure	N/D
Evaporation Rate	Fast
Solubility	Slightly Soluble in water
Coefficient of water/oil Distribution	N/D
pH	N/A
Stability	Stable



CH-DFB



CH-DSM-V



\$50 Hazmat fee on air shipments

For CH-DFB & CH-DBC II

CH-DFB is a thixotropic two component epoxy adhesive that is resistant to fuels and ethanols.

Tested for use on DPM's Fiberglass products, Aluminum, Steel and Stainless Steel.

Fast curing at room temperature

Should be stored in a refrigerator or air conditioned vehicle prior to use.

See next page for properties

Third Party Approvals

Products Used on this Project



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447



Diversified Products Manufacturing
5523 Baggett Marysville Road - Oroville CA. 95965 USA
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





"Better By Design"

Diversified Bulkhead Cleaner CH-DBC II and Fiberglass Bonder CH-DFB

Technical Data Sheet

This page contains data for the CH-DFB Epoxy Bonder Only

Product Characteristics		Environmental Resistance		
Technology	Cyanoacrylic/Eposy		% of Initial Strength	
Chemical type (Part A)	Cyanoacrylate	Environment	Deg C	100 h
Chemical type (Part B)	Epoxy	Water	22	90
Appearance (Comp A)	Straw Color	Water	60	80
Appearance (Comp B)	Off-White	Motor Oil	40	120
Appearance Mixture	Light Yellow	Water/Glycol 50/50	87	50
Components	Two-Part Requires Mixing	Gasoline (unleaded)	22	95
Mix Ratio by Weight	Resin 1: Hardener 1	Ethanol	22	85
Mix Ratio by volume	Resin 1: Hardener 1	Isopropanol	22	100
Viscosity	High	98% RH	40	85
Cure	Room Temp after Mixing	96% RH	65	95
Secondary Cure	Heat			
Application	Bonding			
Specific Benefits	Non-Sag slump resistant			
	Very Fast Cure			
	Easy to Mix			
	Easy to Dispense			
	Resistance to			
	Automotive Fluids			

Properties of Uncured Materials		Properties of Uncured Materials		
Part A		Part B		
Specific Gravity @ 25 C	1.01	Specific Gravity @	25 C	1.06
Viscosity @ 25 C	4000-7000	Viscosity @	25 C	25,000 - 40,000
Flash Point	See SDS	Flash Point		See SDS

Properties of Cured Materials		Properties of Uncured Materials	
Cured for one week @ 22 C		Cured for 168 hrs @ 22 C	
Shore Hardnes "D"	65-69	Lap Shear Strength, ISO 4587	
Glass Trans Temp 0 C	88	Aluminum Degreased	7.6 N/mm2
Elongation	3.5	Aluminum Etched	13 N/mm2
Tensil Strength	7.1 N/mm2	Zinc Chromate	9.1 N/mm2
Tensil Modulus	565 N/mm2	Stainless Steel	15 N/mm2
		ABS	5.2 N/mm2
		Polycarbonate	6.9 N/mm2
		Wood (Oak)	4.8 N/mm2
		Epoxy	9.1 N/mm2
		Polyethylene	.5 N/mm2

Third Party Approvals

Products Used on this Project



EQ-742 EQ-801 EQ-836

THIRD-PARTY UL 2447



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 5523 Baggett Marysville Road - Oroville CA. 95965 USA
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



SU-CII-24x24 SW

Contractor Installation Instructions

Basic Fiberglass Commercial UDC Single Wall



Weaver Products

Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.

Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.

Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.

Step 1

Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered.



Step 2

Dry Fit the Sump Products: If a Product Line assembly has been purchased, the holes for the penetrations should be marked so the installation of the sump components may proceed. Drill the penetration Hole(s). Install the Stabilizer Bar Assembly, Shear Valve, Flex Connector pipe if any, and penetration fittings. Follow manufacturers instructions with each piece of equipment.



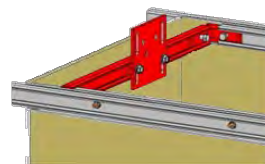
Step 3

Install the Penetration Fittings: Follow manufacturers installation instructions. These sumps will accept studded, threaded or fiberglass penetrations for pipes up to 6" nominal. Conduit penetrations may be installed in these sumps. Frames are supplied with openings for 4 conduits to enter the dispenser on each end of the sump. This conduit less feature is available on all DPM sumps. The preferred penetration for these sumps is Diversified's Compact fitting that is fiberglass and has no rubber in the sump.



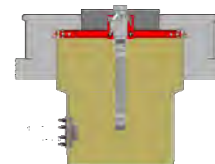
Step 4

Install the Stabilizer Bar Assemblies. Follow manufacturers instructions: Be sure to locate the mounting plate and rail so that the Shear valves will align with the dispenser being provided. Up to 2 total SU-SBA assemblies may be installed in the these sumps at any one time.



Step 5

Install the piping system, Shear Valve and Flex Connectors. Follow all manufacturers installation instructions. Once the system is secure, perform the line leak tests before proceeding with the balance of the installation. When the line tests are complete and pass, move on to step 6



Step 6

Mount the Sensor Mounting Kit: If a sensor is to be installed in the sump, mount the bar over the fluid collection cup. Follow installation instructions. Install the alarm Sensor Per manufacturers instructions. NOTE: The sensor mounting kit may be ordererd pre-installed at the factory.



Alarm Sensor Mtg Kit

Step 7**Tighten Penetrations & Mount Alarm Sensors**

Complete the installation by tightening penetration fittings, mounting and wiring alarm sensors and any other work that needs to be performed inside the sump. If Filled penetration fittings are being used, the fitting as the last effort before backfill.

**Step 8**

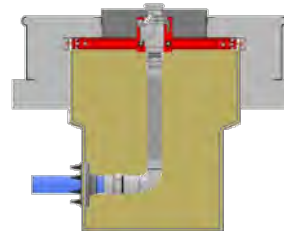
Mount Sump: At some point during the installation process the sump will need to be mounted in the field. When this occurs, set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level. Note: holes for penetrations may be pre drilled off site or may be installed once the sump has been set.

**Step 9**

Install Frame & Conduits Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. After the frame is installed the conduits may be run through the holes provided in the flange of the frame.

**Step 10**

Hydrostatic test sump then pour concrete. Once the installation of the piping system is complete, hydrostatic test the sump per local regulations. When the test is complete and passed, prepare to pour concrete. Install anchor bolts for securing the dispenser in the slots provided and secure. Pour concrete and finish to the flange of the frame.

**Tools Required**

5/16 nut driver
Hole Saws to match penetrations
for assembly of the SBA
Tools for mounting the shear valve selected

Products Needed

SU 24x24 Fiberglass Sump
Select frame to match Dispenser
Common Frame sizes:
Atlas -24x12

Additional Products Needed

Product Line Assembly or
Shear Valves as required
Piping system with Tee's and/or elbows
Flex connectors if used
Fire extinguisher for mounting inside the sump
as required by regulatory agencies
Penetration fittings as required

For other dispensers contact factory

ES-CII-24x24-SW		Contractor Installation Instructions	
		Single Wall Engineered Fiberglass 24x24x30 UDC	
 Diversified Products Manufacturing	 Weaver Products	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to Completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.</p>	
		<p>Step 1 Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Double Wall Sumps are pre manufactured systems, with all plumbing and wiring complete for one line either pass through or end of run configuration.</p> 	
<p>Step 2 Mount Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.</p> 			
<p>Step 3 Pipe & Wire the Sump: Run piping and bond to the penetration fittings per the installation instructions for the fittings. The alarm sensors are normally provided by DPM. The leads from the sensors may be wired to the respective rigid electrical conduits entering through the frame of the dispenser.</p> 			
<p>Step 4 Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. Install the conduit mounting kits if purchased. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. The alarm sensor is mounted with the connection remaining loose. The contractor may connect the cable to the conduit system through the dispenser frame.</p>   <p style="text-align: right;">Alarm Sensor Mtg Kit</p>			
<p>Step 5 Hydrostatic Test Sump: The Sump is hydrostatically tested at the factory for 24 hours. Additionally all piping is tested from the top of the shear valve through the penetration fitting to 75PSIG. The sumps are marked and tagged with this information</p> 			
<p>Step 6 Pour Concrete: After all necessary inspections have been completed, install the J Bolts through the frame and pour concrete. Concrete should be at the same level of the flange.</p> 			
<p>Tools Required</p> <p>5/16 nut driver Hole Saws to match penetrations for assembly of the SBA Tools for mounting the shear valve selected</p>	<p>Products Needed</p> <p>ES 24x24 Engineered System Select frame to match Dispens Common Frame sizes: Atlas -24x12</p>	<p>Additional Products Needed</p>	
<p>For other dispenser frame sizes contact factory</p>			

Contractor Installation Instructions

Double Wall Engineered Fiberglass 24x24x30 UDC

ES-CII-24x24-DW



Weaver Products

Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.

Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.

Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.

Step 1

Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Double Wall Sumps are pre manufactured systems, with all plumbing and wiring complete for one line either pass through or end of run configuration.



Step 2

Mount Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.



Step 3

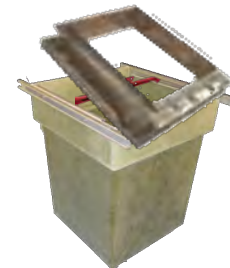
Pipe & Wire the Sump: Run piping and bond to the penetration fittings per the installation instructions for the fittings. The alarm sensors are normally provided by DPM. The leads from the sensors are wired to the respective rigid electrical conduits entering through the frame of the dispenser.



Alarm Sensor Mtg Kit

Step 4

Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. Install the conduit mounting kits if purchased. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. The alarm sensor is mounted with the connection remaining loose. The contractor may connect the cable to the conduit system through the dispenser frame.



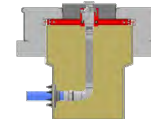
Step 5

Hydrostatic Test Sump: Hydrostatic testing of a double wall sump is not factory recommended. The brine is installed at the factory under 4 psig pressure. Should a leak occur it will be obvious due to spillage or the system, lack of pressure on the interstice and the system will be in alarm at the console. A hydrostatic test could affect the operation of the alarm sensors. All piping is pressure tested to 75PSIG at the factory and is tagged.



Step 6

Pour Concrete: After all necessary inspections have been completed, install the J Bolts through the frame and pour concrete. Concrete should be at the same level of the flange.



Tools Required

5/16 nut driver
Hole Saws to match penetrations for assembly of the SBA
Tools for mounting the shear valve selected

Products Needed

ES 24x24 Engineered System
Select frame to match Dispenser
Common Frame sizes:
Atlas -24x12

Additional Products Needed

For other dispenser frame sizes contact Factory

ES-24x24-DEF-CII

Contractor Installation Instructions Basic Fiberglass Under Dispenser Containment for DEF



Diversified Products
Manufacturing Inc.



Weaver Products

Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.
Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.
Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.
Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.
Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.

Diversified's DEF System is a blend of an Under Dispenser Containment Sump and a Transition Sump.
This allows for inspection and repair of the DEF system piping without removing the Dispenser.

Step 1

Inspect Sumps: Unpack the sump(s) and inspect for damage. If damaged, notify the freight company and Diversified within 48 hours and activate the warranty. Shown to the right is a typical DEF sump with 1/2 of the split lid removed for clarity. These sumps are equipped with two rail systems, one to support the stabilizer bar and another to support the split lid assembly. The lower rail can be extended to integrate with a retail sump to make a combination (side car system). DPM's DEF Sump comes with a Split Stainless Steel Lid & Rain Tight gaskets.

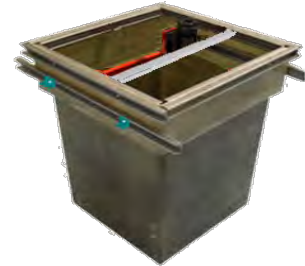


Step 2

Materials Selection: For DEF applications, the sumps interior rails, lid, shear valve and flex connector should all be Stainless Steel. The flex connector should have a quick release feature. The penetration fittings should be fiberglass with no rubber components in the sump.

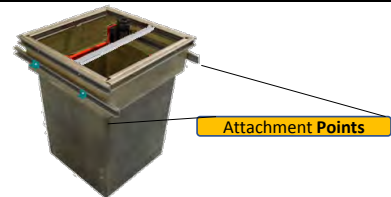
Step 3

Install the penetration fittings: Some contractors prefer to mount the fittings prior to installing the sump. All of Diversified's penetrations may be installed in these DEF Sumps, Threaded, Studded and Fiberglass. Penetrations manufactured by others may also be installed in these sumps. Follow penetration fitting manufacturers instructions. The rail systems are installed prior to shipping. However, the Stabilizer Bar Assembly, Shear Valve and Flex Connector should be mounted prior to shipping to the field. The Penetration fitting may be installed at this time as well. Follow all manufacturers Instructions.



Step 4

Mount the Sump: The sump may be attached to the island forms or other structural products and may be extended to a traditional retail sump. Secure the ends of the rail set supporting the stabilizer bar to the structure by welding or other approved means. This lower rail system is complete with concrete anchor brackets.



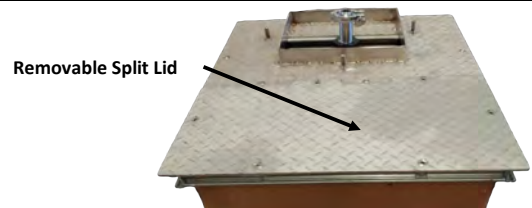
Step 5

Mount the shear valve and Pipe System: If the shear valve has been shipped loose mount as shown with the shear plane +/- 3/4" from grade. Shift the rail system to align the shear valve with the dispenser. When piping the system be sure to use backers on the shear valve flats.



Step 6

Pipe and test piping system: Run piping system and test as required by local regulations. Install split lid system and mount dispenser to sump system. One half of the split lid system should be able to provide access to the sump after the dispenser is installed.



Tools Required

Tools necessary to mount the sump
 Tools necessary to pipe the system
 Tools necessary to secure the shear valve and stabilizer bar assembly
 Tools necessary to install the penetrations.

Products Needed

SU-DEF F Fiberglass sump includes
 SU-SBA Stabilizer Bar assembly
 SU-DEF SV DEF Shear Valve
 Penetration Fittings

ES-CII-Econo Sumps

Contractor Installation Instructions

Econo Fiberglass Under Dispenser Containment

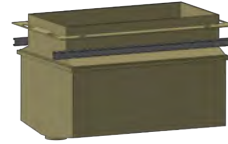


Prepare all Surfaces: All surfaces where the UDC is to be mounted should be prepared prior to mounting the Sump

Warning: Failure to follow each step will void the warranty and may result in premature failure of the system.

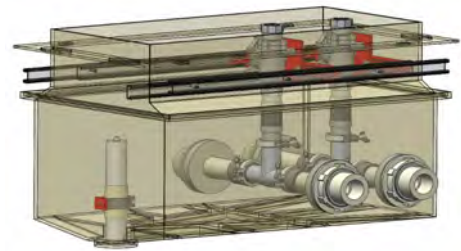
Step 1

Receive the Econo UDC: Uncrate the Econo UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify that the product ordered is what is received.



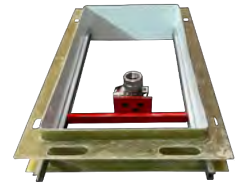
Step 2

Dry fit the UDC: It would be wise to dry fit the two piece sump together prior to installing the bottom in the field. Centers for the penetration holes are marked. Hole locations are marked with W, X, Y, & Z in accordance with Gilbarco protocols. Install the penetrations in the locations desired for the project. Install the Stabilizer Bars in accordance with the drawings provided. The approximate location for the edges of the SBA are marked as a guide to the technician. Screw the Flex Connectors into the Shear Valves and mount to the SBA assemblies. A can of Gasolia E is provided with the PLA. This product should be used on all joints for gas and diesel. Some UL listings are contingent on this product being used. The Flex connector should align with the Tee or Elbow used to connect to the piping system. The Tee or Elbow in turn must align with the penetration fitting.



Step 3

Mount the UDC: The Econo UDC has a sloping bottom for rapid collation of liquid to provide a quick response to all leaks. There is a lip around the bottom of the sump that allows it to be supported from all sides. Mount the sump bottom so it is level in all directions. Follow installation instructions for The SBA Assembly, Flex Connectors, Tees & Elbows and for the penetration fittings.



Step 4

Pipe to the sump: A unique feature of the two part UDC is the ability to pipe the entire system and test the primary and secondary prior to installing the top half of the UDC. A sanitary blank off is provided for the branch of the tee or elbow. Once the product line tees and elbows have been blocked with the caps provided, the primary/secondary tests may be performed.

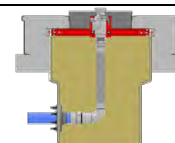
Step 5

Install the top: Once the piping system has been tested. Remove the sanitary cap on the tees and elbows. Care should be exercised to make sure no foreign material is introduced into the piping system while installing the top. A secondary seal is provided in case the first is damaged or lost when installing the top half of the sump. Lower the top half of the UDC with the top half system in place and connect the flex connectors to the tees and/or elbows. Bond the top of the sump to the bottom using fiberglass and isophthaulic resin. When ready, hydrostatically test the sump.



Step 6

Pour Concrete: A rain lip and flange are provided on the UDC. The flange must be mounted at grade level. Pour the concrete. Install the J bolts provided then when appropriate mount the dispenser.






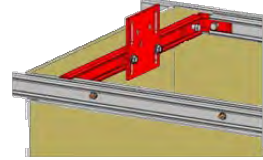
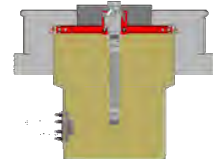



Tools Needed

Pipe wrenches for installation of pipe

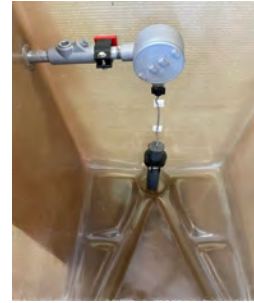
Products Needed

SU-Econo-G Under Dispenser Containment
 SU-PLA- Product Line assembly for the piping system specified
 Review PLA data sheet and installation instructions for options

<h1>SU-CII-40x24 & 40x36 SW</h1> <p>Multiple Sizes</p>		<h2>Contractor Installation Instructions</h2>	
 		<h3>Basic Fiberglass Retail UDC 40x24 & 40x36 UDC's Single Wall</h3>	
		<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.</p>	
Step 1	<p>Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered.</p>		
Step 2	<p>Dry Fit the Sump Products: If a Product Line assembly has been purchased, the holes for the penetrations should be marked so the installation of the sump components may proceed. Drill the penetration Hole(s). Install the Stabilizer Bar Assembly, Shear Valve, Flex Connector pipe if any, and penetration fittings. Follow manufacturers instructions with each piece of equipment.</p>		
Step 3	<p>Install the Penetration Fittings: Follow manufacturers installation instructions. These sumps will accept studded, threaded or fiberglass penetrations for pipes up to 6" nominal. Conduit penetrations may be installed in these sumps. Frames are supplied with openings for 4 conduits to enter the dispenser on each end of the sump. This conduit less feature is available on all DPM sumps. The preferred penetration for these sumps is Diversified's Compact fitting that is fiberglass and has no rubber in the sump.</p>	 	
Step 4	<p>Install the Stabilizer Bar Assemblies: Follow manufacturers instructions: Be sure to locate the mounting plate and rail so that the Shear valves will align with the dispenser being provided. Up to 2 total SU-SBA assemblies may be installed in the these sumps at any one time.</p>		
Step 5	<p>Install the piping system, Shear Valve, and Flex Connector: Follow all manufacturers installation instructions. Once the system is secure, perform the line leak tests before proceeding with the balance of the installation. When the line tests are complete and pass, move on to step 6</p>		
Step 6	<p>Mount the Sensor Mounting Kit: If a sensor is to be installed in the sump, mount the bar over the fluid collection cup. Follow installation instructions. Sensor mounting kit may be ordered installed at the factory. Install the alarm Sensor Per Manufacturers instructions.</p>		

Step 7

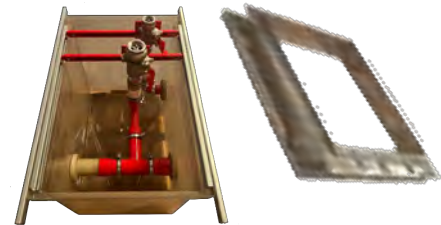
Tighten Penetrations, Mount Alarm Sensors: Complete the installation by tightening penetration fittings, mounting and wiring alarm sensors and any other work that needs to be performed inside the sump. If Filled penetration fittings are being used, fill the fitting as the last effort before backfill.

**Step 8**

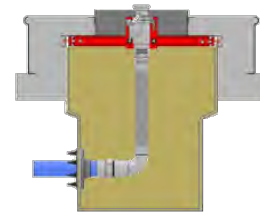
Mount Sump: At some point during the installation process the sump will need to be mounted in the field. When this occurs, set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level. Note: holes for penetrations may be pre drilled off site or may be installed once the sump has been set.

**Step 9**

Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. After the frame is installed the conduits may be run through the holes provided in the flange of the frame.

**Step 10**

Hydrostatic test sump then pour concrete: Once the installation of the piping system is complete, hydrostatic test the sump per local regulations. When the test is complete and passed, prepare to pour concrete. Install anchor bolts for securing the dispenser in the slots provided and secure. Pour concrete and finish to the flange of the frame.

**Tools Required**

5/16 nut driver
Hole Saws to match penetrations
for assembly of the SBA
Tools for mounting the shear valve selected

Products Needed

SU 24x24 Fiberglass Sump
Select frame to match Dispenser
Common Frame sizes:
Atlas -24x12

Additional Products Needed

Product Line Assembly or
Piping system with tee's and/or elbows
Flex connectors if used
Fire extinguisher for mounting inside the sump
as required by regulatory agencies
Penetration fittings as required






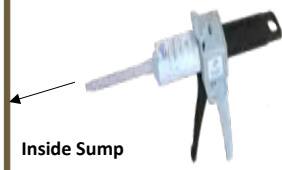
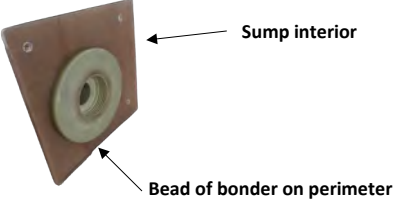


For other dispensers contact factory

<p align="center">ES-CII-Master-SW ES-CII-Master/Satellite-SW ES-CII-Satellite-SW</p>		<p align="center">Contractor Installation Instructions</p>	
		<p align="center">Fiberglass Truck Stop Engineered Systems - Single Wall</p>	
 <p align="center">Diversified Products Manufacturing</p>	 <p align="center">Weaver Products</p>	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.</p>	
<p>Step 1</p> <p>Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Truck Stop Systems are Pre Manufactured.</p>			
<p>Step 2</p> <p>Mount the Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved material. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.</p>			
<p>Step 3</p> <p>Minimize Piping: Mount the sumps to minimize piping per site plans. The system is designed to eliminate Tees, Elbows and all offsets between sumps</p>			
<p>Step 4</p> <p>Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. Install Sensor Mounting Kits.</p>			
<p>Step 5</p> <p>Hydrostatic test sumps then pour concrete: Once the installation of the piping system is complete, hydrostatic test the sump per local regulations. When the test is complete and passed, prepare to pour concrete. Install anchor bolts for securing the dispenser in the slots provided and secure. Pour concrete and finish to the flange of the frame.</p>			
<p>Tools Required</p> <p>5/16 nut driver Hole Saws to match penetrations for assembly of the SBA Tools for mounting the shear valve selected</p> <p align="center">For other dispensers contact factory</p>	<p>Products Needed</p> <p>SU 24x24 Fiberglass Sump Select frame to match Dispenser Common Frame sizes: Atlas -24x12</p>	<p>Additional Products Needed</p> <p>Product Line Assembly or Piping system with Tee's and/or elbows Flex connectors if used Fire extinguisher for mounting inside the sump as required by regulatory agencies Penetration fittings as required</p>	

<p align="center">ES-CII-Master-DW ES-CII-Master/Satellite-DW ES-CII-Satellite-DW</p>		<p align="center">Contractor Installation Instructions</p>	
 <p align="center">Diversified Products Manufacturing</p>  <p align="center">Weaver Products</p>		<p align="center">Fiberglass Truck Stop Engineered Systems - Double Wall</p>	
<p>Step 1</p>	<p>Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Double Wall Sumps are pre manufactured systems, with all plumbing and wiring complete for one line either pass through or end of run configuration.</p>		
<p>Step 2</p>	<p>Mount Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.</p>		
<p>Step 3</p> <p>Minimize Piping: Mount the sumps to minimize Piping per site plans. The system is designed to eliminate Tees, Elbows and all offsets between sumps. Install Sensor Mounting Kits.</p>	 <p align="center"> Sensor Mtg Kit Satellite Master/Satellite Master </p>		
<p>Step 4</p>	<p>Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. Install the conduit mounting kits if purchased. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. The alarm sensor is mounted with the connection remaining loose. The contractor may connect the cable to the conduit system through the dispenser frame.</p>		
<p>Step 5</p>	<p>Hydrostatic Test Sump: Hydrostatic testing of a double wall sump is not factory recommended. The brine is installed at the factory under 4 psig pressure. Should a leak occur it will be obvious due to spillage or the system, lack of pressure on the interstice and the system will be in alarm at the console. A hydrostatic test could affect the operation of the alarm sensors. All piping is pressure tested to 75PSIG at the factory and is tagged.</p>		
<p>Step 6</p>	<p>Pour Concrete: After all necessary inspections have been completed, install the J Bolts through the frame and pour concrete. Concrete should be at the same level of the flange.</p>		
<p>Tools Required</p> <p>5/16 nut driver Hole Saws to match penetrations for assembly of the SBA Tools for mounting the shear valve selected</p>	<p>Products Needed</p> <p>Engineered System Select frame to match Dispenser</p>	<p>Additional Products Needed</p>	
<p align="center">For other dispenser frame sizes contact Factory</p>			

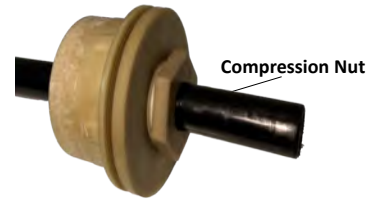
<p style="text-align: center;">ES-CII 40x24-SW & 40x36-SW</p>		Contractor Installation Instructions	
		Single Wall Engineered Fiberglass 40x24 & 40x36 UDC Sumps	
 <p>Diversified Products Manufacturing</p>	 <p>Weaver Products</p>	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.</p>	
<p>Step 1</p> <p>Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Double Wall Sumps are pre manufactured systems, with all plumbing and wiring complete for one line either pass through or end of run configuration.</p>			
<p>Step 2</p> <p>Mount Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.</p>			
<p>Step 3</p> <p>Pipe & Wire the Sump: Run piping and bond to the penetration fittings per the installation instructions for the fittings. The alarm sensors are normally provided by DPM. The leads from the sensors may be wired to the respective rigid electrical conduits entering through the frame of the dispenser.</p>			
<p>Step 4</p> <p>Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. Install the conduit mounting kits if purchased. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. The alarm sensor is mounted with the connection remaining loose. The contractor may connect the cable to the conduit system through the dispenser frame.</p>		 <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  <p style="text-align: center; background-color: #c8e6c9; padding: 2px;">Sensor Mtg Kit</p> </div>	
<p>Step 5</p> <p>Hydrostatic Test Sump: The Sump is hydrostatically tested at the factory for 24 hours. Additionally all piping is tested from the top of the shear valve through the penetration fitting to 75PSIG. The sumps are marked and tagged with this information</p>			
<p>Step 6</p> <p>Pour Concrete: After all necessary inspections have been completed, install the J Bolts through the frame and pour concrete. Concrete should be at the same level of the flange.</p>			
<p>Tools Required</p> <p>5/16 nut driver Hole Saws to match penetrations for assembly of the SBA Tools for mounting the shear valve selected</p>		<p>Products Needed</p> <p>ES 24x24 Engineered System Select frame to match Dispenser Common Frame sizes: Atlas -24x12</p>	
<p>Additional Products Needed</p>			
<p>For other dispenser frame sizes contact factory</p>			

<h1>ES-CII-40x24-DW & 40x36 DW</h1>		<h2>Contractor Installation Instructions</h2>	
		<h3>DW Engineered Systems 40x24x30 & 40x36x30 UDC Sumps</h3>	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Diversified Products Manufacturing</p> </div> <div style="text-align: center;">  <p>Weaver Products</p> </div> </div>		<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Prepare Sump Surfaces: Rough Up (sand) all sump surfaces to be bonded. Remove all gel coat on all fiberglass surfaces.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bond Penetration Fittings: After Cleaning & Drying apply fiberglass bonder CH-DFB to both surfaces to be bonded. Be sure there is a bead of epoxy all around the bonded components. If not start over.</p>	
<p>Step 1</p> <p>Receive the UDC Sump: Uncrate the UDC and verify there is no damage. Any damage must be reported within 48 hours of receipt to activate the warranty. Verify the product received is what was ordered. Double Wall Sumps are pre manufactured systems, with all plumbing and wiring complete for one line either pass through or end of run configuration.</p>			
<p>Step 2</p> <p>Mount Sump: Set the sump on a 6" deep bed of pea gravel or other locally approved materials. The sump should never be set on native soils. Use the rail extensions to weld to the island forms or support the sump with vertical members. Secure the sump sufficiently to allow piping to enter the sump without disturbing the sump while the piping system is being installed. Mount the top of the sump level 3" below grade level.</p>			
<p>Step 3</p> <p>Pipe & Wire the Sump: Run piping and bond to the penetration fittings per the installation instructions for the fittings. The alarm sensors are normally provided by DPM. The leads from the sensors are wired to the respective rigid electrical conduits entering through the frame of the dispenser.</p>			
<p>Step 4</p> <p>Install Frame & Conduits: Diversified's frame is fiberglass with the flange modified for conduits to enter the frame of the dispenser. The frame is reversible so orientate the Frame for the easiest conduit installation. Loosen 1/4-20 flange nuts on the rails and slide frame over sump and between outer rail. Before tightening 1/4-20 flange nuts make sure top of frame is level. Install the conduit mounting kits if purchased. After the frame is installed the conduits may be run through the holes provided in the flange of the frame. The alarm sensor is mounted with the connection remaining loose. The contractor may connect the cable to the conduit system through the dispenser frame.</p>			
<p>Step 5</p> <p>Hydrostatic Test Sump: Hydrostatic testing of a double wall sump is not factory recommended. The brine is installed at the factory under 4 psig pressure. Should a leak occur it will be obvious due to spillage or the system, lack of pressure on the interstice and the system will be in alarm at the console. A hydrostatic test could affect the operation of the alarm sensors. All piping is tested to 75 PSIG at the factory and is tagged.</p>			
<p>Step 6</p> <p>Pour Concrete: After all necessary inspections have been completed, install the J Bolts through the frame and pour concrete. Concrete should be at the same level of the flange.</p>			
<p>Tools Required</p> <p>5/16 nut driver Hole saws to match penetrations for assembly of the SBA Tools for mounting the shear valve selected</p>		<p>Products Needed</p> <p>Engineered System Select frame to match dispenser</p>	
		<p>Additional Products Needed</p>	
<p>For other dispenser frame sizes contact factory</p>			

<h1>PF-FGC-CII</h1>		APT Brugg OPW	<h2>Contractor Installation Instructions</h2>	
		<h3>Compact Penetrations for Corrugated Ducted Applications</h3>		
 Diversified Products Manufacturing Inc.		 Weaver Products	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and wipe dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bonding to Steel and FRP surfaces: Clean and sand (rough up) sump surfaces. Remove all gel coat on all fiberglass surfaces. Apply CH-DFB to all surfaces to be bonded both the fitting and sump wall.</p>	
Step 1 Hole Preparation: Drill a 4.5" Diameter hole where the fitting is to be installed. Sand around the hole 1 1/2" on the inside of the sump. (The nut is on the sump exterior and is bonded only when a water tight joint is required with the corrugated ducting.)		Hole Saw 4.5" Minimum Spacing between Centers 6.5"		
Step 2 Dry fit the fittings: Dry fit. If you have trouble fitting the penetration in the hole, recheck the hole.				
Step 3 Clean & Bond: Spray all surfaces to be bonded with CH-DBC II Cleaner. Air dry or wipe dry with a clean dry cloth. Apply CH-DFB Bonder to the fitting surface that creates a seal with the sump wall.			Sump Exterior	 Inside Sump
Step 4 Secure fitting to sump wall: Install the nut and hand tighten to secure fitting to sump wall. When installing, there should be enough bonder so a small bead escapes the perimeter of the fitting when tightened. If no bonder is present, remove fitting and apply again. Allow bonder to cure.		 Sump interior Bead of bonder on perimeter		
Step 5 Water Tight Corrugated Ducting: If a water tight seal is required for the corrugated ducting, the nut must also be bonded to the sump wall. See step 4 above and apply to the nut.		 Bond nut to sump wall		
Step 6 Prepare the pipe for installation: Slide the terminating reducer and corrugated duct seal over the corrugated ducting prior to installing the product carrying pipe into and through the penetration fitting.		 Corrugated Duct Seal		

Step 7

Install the pipe: Push the product carrying pipe through the fitting. Install the seal around the pipe and push into the fitting cavity. Turn in the compression nut hand tight to seat the seal. Tighten with the tool to 20-25 ft lb Torque.



Step 8

Tighten the compression nut: Once the pipe is connected to its mating system component (flex connector or other terminating device), test the product carrying lines. A hand tight nut has produced no leaks at 5 psi test pressure. Torque the compression nut to 20-25 ft lbs. When torque on the compression nut is applied at 25 PSI the resulting test has yielded a pass rating in excess of 60 PSIG. This is best accomplished by using the PF-FGC Tool Kit. The sump may be tested at any time after tightening all Compact Penetration Fittings. This completes the installation on Direct Burial Systems



Step 9

Connect Corrugated Duct: Push corrugated duct into the tailpiece of the penetration fitting. Push until it snaps in place. **Warning - the corrugated ducting will be difficult to remove once installed. Be sure you are ready to perform this step.**



Step 10

Move Corrugated Duct Seal: Place the corrugated duct seal in the groove nearest the penetration fitting.

Corrugated Duct Seal



Step 11

Install the Boot: Slide the boot in place. Push the front edge of the boot forward until it stops on the shoulder of the penetration fitting.



Step 12

Tighten Band Clamps: Tighten clamps but do not exceed 60 inch lbs. The installation should be complete.



Step 13

Completed installations inside the sump.






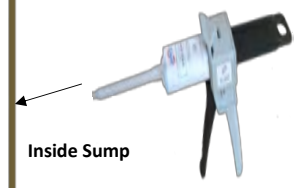
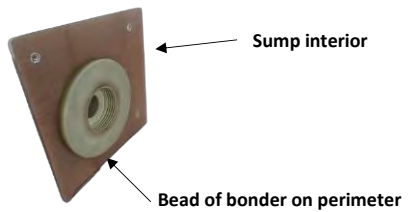
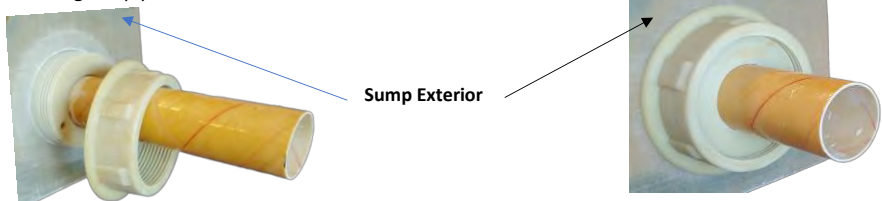


Tools Required

- Sand paper for sump wall and pipe
- 4.5" hole saw
- CH-DAG III applicator gun for CH-DFB bonder

Products Needed

- PF-FGC - see product selection matrix to complete the product #
- CH-DFB 50ml Epoxy Bonder - will do three fittings
- CH-DBC II Aerosol Cleaner - will do 10 fittings
- PF-FGC-S-Tool or PF-FGC-L-Tool Spanner Wrenches

<h1>PF-FGC-CII</h1>	NOV Fiberglass	<h2>Contractor Installation Instructions</h2>	
		<h3>Compact Penetrations for Fiberglass Pipe & Direct Burial Flex Pipe Applications</h3>	
 Diversified Products Manufacturing Inc.	 Weaver Products	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and wipe dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bonding to Steel and FRP surfaces: Clean and sand (rough up) sump surfaces. Remove all gel coat on all fiberglass surfaces. Apply CH-DFB to all surfaces to be bonded both the fitting and sump wall.</p>	
		<p>Step 1</p> <p>Hole Preparation: Drill a 4.5" Diameter hole where the fitting is to be installed. Sand around the hole 1 1/2" on the inside of the sump. (The nut is on the sump exterior and is not bonded).</p> <p style="text-align: right;">Hole Saw 4.5"</p> <p style="text-align: center;">Minimum Spacing between Centers 6.5"</p> 	
<p>Step 2</p> <p>Dry fit the fittings: Dry fit. If you have trouble fitting the penetration in the hole, recheck the hole.</p>			
<p>Step 3</p> <p>Clean & Bond: Spray all surfaces to be bonded with CH-DBC II Cleaner. Air dry or wipe dry with a clean dry cloth. Apply CH-DFB Bonder to the fitting surface that creates a seal with the sump wall.</p>			<p style="text-align: center;">Sump Exterior</p>  <p style="text-align: center;">Inside Sump</p>
<p>Step 4</p> <p>Secure fitting to sump wall: Install the nut and hand tighten to secure fitting to sump wall. When installing, there should be enough bonder so a small bead escapes the perimeter of the fitting when tightened. If no bonder is present, remove fitting and apply again. Allow bonder to cure.</p>		 <p style="text-align: right;">Sump interior</p> <p style="text-align: right;">Bead of bonder on perimeter</p>	
<p>Step 5</p> <p>Direct Burial Applications: Thread on the nut. It does not need to be bonded. The nut may be installed either before or after installing the pipe.</p>		 <p style="text-align: center;">Sump Exterior</p>	

Step 6

Install the pipe: Push the product carrying pipe through the fitting. Install the seal around the pipe and push into the fitting cavity. Turn in the compression nut hand tight to seat the seal. Tighten with the tool to 20-25 ft lb Torque.



Push pipe through Fitting



Install seal & nut



Seat the seal and thread in nut.

Step 7





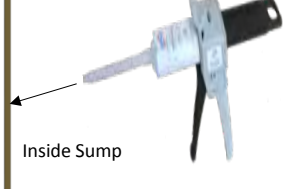
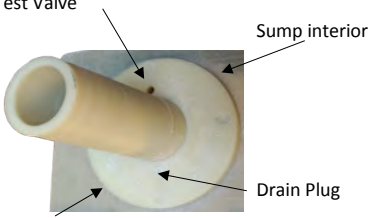

Tighten the compression nut: Once the pipe is connected to its mating system component (flex connector or other terminating device), test the product carrying lines. A hand tight nut has produced no leaks at 5 psi test pressure. Torque the compression nut to 20-25 ft lbs. When torque on the compression nut at 20 psi is applied the resulting test has yielded a pass rating in excess of 60 PSIG. This is best accomplished by using the PF-FGC Tool Kit. The sump may be tested at any time after tightening all Compact Penetration Fittings. This completes the installation on fiberglass lines that will be buried.



Tighten Nut

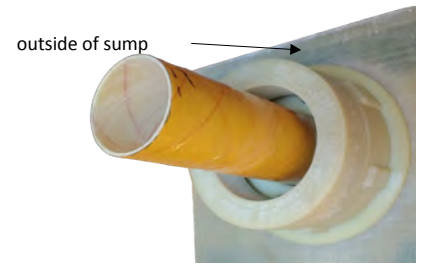
Tools Required**Products Needed**

PF-FGC - see product selection matrix to complete the product #
 CH-DFB 50ml Epoxy Bonder - will do three fittings
 CH-DBC II Aerosol Cleaner - will do 10 fittings
 PF-FGC-S-Tool or PF-FGC-L-Tool Spanner Wrenches

<h1>PF-FGT-CII</h1>		<h2>Contractor Installation Instructions</h2>	
		<h3>Fiberglass Penetrations for FRP piping Systems</h3>	
 Diversified Products Manufacturing Inc.	 Weaver Products	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and wipe dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bonding to Steel and FRP surfaces: Clean and sand (rough up) sump surfaces. Remove all gel coat on all fiberglass surfaces. Apply CH-DFB to all surfaces to be bonded both the fitting and sump wall.</p>	
		<p>Step 1</p> <p>Hole Preparation: Drill a 4.5" Diameter hole where the fitting is to be installed. Sand around the hole 1 1/2" on the inside of the sump. (The nut is on the sump exterior and is bonded only when a double wall piping system is used).</p> <p style="text-align: right;">Hole Saw 4.5"</p> <p style="text-align: right;">Minimum Spacing between Centers 6.5"</p> 	
<p>Step 2</p> <p>Dry fit the fittings: Dry fit. If you have trouble fitting the penetration in the hole, recheck the hole.</p>			
<p>Step 3</p> <p>Clean & Bond: Spray all surfaces to be bonded with CH-DBC II Cleaner. Air dry or wipe dry with a clean dry cloth. Apply CH-DFB Bonder to the fitting surface that creates a seal with the sump wall.</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>Sump Exterior</p>  <p>Inside Sump</p> </div> </div>			
<p>Step 4</p> <p>Warning: For the first time installer of these products, follow the steps 5-9 dry fitting at each step. Be sure you understand the process completely. It is easy to miss a step and create a lot of costs to correct the process. Also, prior to each bonding step, be sure to clean with CH-DBC II. Air dry or wipe dry with a clean dry cloth.</p>			
<p>Step 5</p> <p>Secure fitting to sump wall: Sand and clean the grooved flange on the penetrations body and the sump wall to be bonded. Apply the CH-DFB bonder evenly to the body and the sump's interior surface. Place the body in the 4 1/2" hole seat and turn 1/4 deg approx. Make sure the test port is at the top of the fitting. Install the nut on the outside of the sump and hand tighten to secure the body to sump wall. When installing, there should be enough bonder so a small bead escapes the perimeter of the body when tightened. If bonder is missing, remove fitting and apply again. Allow bonder to cure. Do not allow bonder to get on the Nut.</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>			
<p>Step 6</p> <p>Install Nut & Primary Pipe: Use NOV tapering tools and follow pipe manufacturers instructions to taper and/or scarf the ends of pipe to be installed in a DPM system. When installing the primary pipe into the body, clean components to be bonded and apply CH-DFB bonder completely around the tapered end of the pipe and also apply to the receiving tapered body. When installing the primary pipe push into the body. The body has a 1 3/4 deg taper to match NOV specifications for tapered fittings. If possible turn pipe 1/4 turn to seat the pipe into the epoxy. Do not allow the epoxy to get onto the nut. Remove the nut from the penetration fitting and slide the nut over the secondary Pipe.</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div> <p style="text-align: right;">Single Wall pipe applications use a different Nut.</p>			

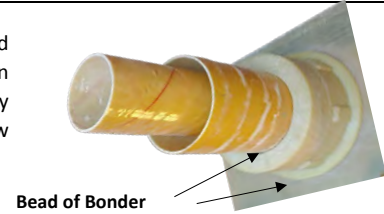
Step 7

Install the Nut and Secondary Pipe. Clean then apply bonder to the nut's flange and the surface of the sump to be bonded. Repeat the process in Step 4 above. Screw the nut onto the body and snug to the sump. Be sure there is a bead of bonder all around the perimeter of the nut. If not, remove and start over. At this point, the nut and primary pipe are bonded in place and the body is bonded to the sump wall. Usually this is the time to test the primary line prior to completing the installation of the secondary. Test the primary and fix any leaks prior to installing the secondary pipe.



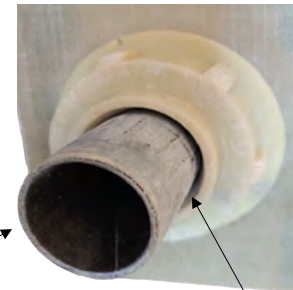
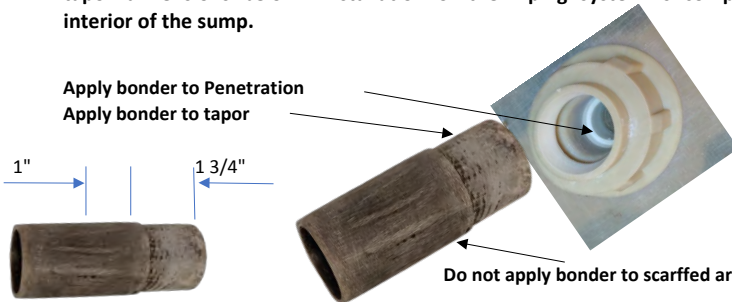
Step 8

When the primary test is completed: Clean and apply bonder to the interior of the tapered nut and the end of the tapered secondary pipe. Push the secondary pipe into the nut and turn 1/4 turn if possible. Make sure there is a bead of bonder completely around the secondary pipe and the perimeter of the nut. If not, remove the secondary pipe and start over. Allow the bond to cure then test the secondary.



Step 9

For LCX systems: When tapering the LCX Pipe also scarff the surface where the secondary will be bonded to the Penetration fittings' Nut. When the primary pipe and penetrations' nut have been bonded and tested, the secondary of the LCX installation may be completed. The nut has an internal taper and should be around the scarfed area of the LCX pipe. Clean with CH-DBC II and apply CH-DFB to the space between the nut and secondary of the LCX. Complete this step for the entire project and test secondary. **For the best fit, use scarff & taper dimensions below. Installation of the Piping system is complete. Now for the interior of the sump.**

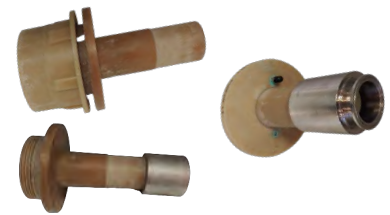


Insert pipe and rotate 1/4 turn

After testing Primary, pack penetration with Bonder

Step 10

The penetration fitting: is available in three configurations as shown to the right. One option is a tapered end for bonding NOV fiberglass components to the fitting. A secondary option is the fitting can be ordered with a 2" sanitary fitting pre bonded to the penetration. The third option is a 2" FPT coupling may be ordered pre bonded to the penetration fitting. The Sanitary and coupling are stainless and may also be oprdered independently.



Step 11




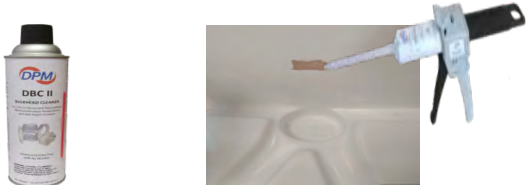

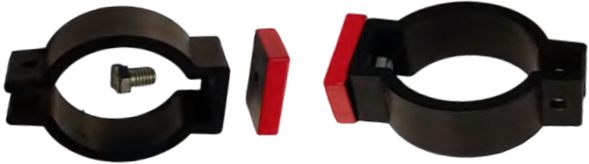



Complete the Piping for the interior of the sump. Test as required.






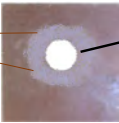






Tools Required

- Sand paper for sump wall and pipe
- 4.5" hole saw
- NOV approved tapering and scarfing tool
- CH-DAG III applicator gun for CH-DFB bonder

Products Needed

- PF-FGT - penetration fitting series
- CH-DBC II Aerosol Cleaner 8 fittings per can
- CH-DFB 50ml Epoxy Bonder
 - For Single Wall fitting estimate 15 ml
 - For Double Wall fittings estimate 40 ml

<h1>SU-SMK-CII</h1>		<h2>Contractor Installation Instructions</h2>	
		<h3>Sensor Mounting Kits</h3>	
 Diversified Products Manufacturing Inc.	 Weaver Products	<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and wipe dry. Remove all gel coat on all fiberglass surfaces. Apply CH-DFB to all surfaces to be bonded both the fitting and sump wall.</p>	
		<p>Step 1</p> <p>Sensor Mounting Kits consist of: a SU-SMS Sleeve, A pipe clamp SU-PC-2.5 a Mounting bar SU-MB and hardware to secure the kit. Install the kit using Diversified's Bulkhead Bonder CH-DBB V. Order separately from the kit.</p>	
			
<p>Step 2</p> <p>Prepare the sump: The mounting bar should be mounted approximately 6" above the alarm cup in the floor of the sump. Sand an area approximately 2" square where the mounting bar is to be bonded to the sump wall. Clean the sump wall and the mounting bar (sanded side) with CH-DBC II prior to bonding. Allow the cleaner to air dry or wipe dry with a clean dry cloth. Apply a thin layer of bonder to the surface of the sump and the mounting bar.</p>			
<p>Step 3</p> <p>Install the mounting bar: Push the mounting bar onto the sump surface. Allow the epoxy to cure. Turning the sump on its side and letting the mounting bar rest on a horizontal plane can accomplish the curing task. Magnets may be used to hold the mounting plate in place while in the vertical position. Allow 24 hours for the bond to cure prior to installing the remaining components.</p>			
<p>Step 4</p> <p>Install the pipe clamp: The pipe clamp is secured to the mounting bar with 3/8-16 x 1/2" long bolt. Thread in bolt until the pipe clamp is snug to the mounting bar.</p>			
<p>Step 5</p> <p>Install the sleeve: The sleeve is designed to fit in the clamp and is bored out to accommodate a Veeder Root "208" sensor. Slide the sleeve into the pipe clamp and secure with the bolt & nut provided. The sleeve should be toward the middle of the pipe clamp. Tighten any loose components.</p>			
<p>Step 5A</p> <p>Four line UDC's: On Gilbarco 3+1+1 configurations where four lines are run, the sleeve needs to be rotated 45 deg to install the sensor. Once the sensor is installed rotate the sleeve to vertical with the sensor in place. The sleeve may be rotated to remove the sensor for maintenance at any time.</p>			
<p>Step 6</p> <p>Install the Sensor: When the project is ready, slide the sensor into the sleeve and allow the bottom of the sensor to rest on the bottom of the alarm cup. There is no tightening process for the sensor. Install the sensor wiring such that it is not in the way of the other components of the sump. The sensor may be removed at any time without disturbing the mounting kit or other sump components. About 8" of the sensor wiring should be coiled to allow for easy future removal.</p>			
<p>Tools Required</p> <ul style="list-style-type: none"> Sand paper for sump wall and pipe 4.5" hole saw NOV approved tapering and scarfing tool CH-DAG III applicator gun for CH-DBB V bonder 		<p>Products Needed</p> <ul style="list-style-type: none"> PF-FGT - penetration fitting series CH-DBC II Aerosol Cleaner 8 fittings per can CH-DBB V 50ml Bulkhead Bonder 10 kits may be installed with one cartridge set of CH-DBB V 	

<h1>PF-BC-1.1 & PF-BC-1.4 CII</h1>		<h2>Contractor Installation Instructions</h2>	
		<h3>Bonded Conduit Fiberglass Fittings</h3>	
 <p>Diversified Products Manufacturing Inc.</p>		 <p>Weaver Products</p>	
<p>Prepare all Surfaces: All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p>Warning: Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p>Cleaning: Spray all surfaces to be bonded with CH-DBC II Cleaner and wipe dry. Excess cleaner may be wiped off with a clean dry cloth.</p> <p>Bonding to Steel and FRP surfaces: Clean and sand (rough up) sump surfaces. Remove all gel coat on all fiberglass surfaces. Apply CH-DBB V to all surfaces to be bonded both the fitting and sump wall.</p>			
<p>Step 1</p> <p>Bonded Kits consist of: a PF-BC-1.1 (3/4") or PF-BC-1.4 (1") Fiberglass injection molded fiberglass fitting. Fitting is suitable for bonding to a fiberglass sump and to steel pipe.</p> <p>Basic Bonded Conduit Fitting </p> <p>Conduit fitting with nipple </p>			
<p>Step 2</p> <p>Prepare the sump: Determine the location where the conduit will penetrate the sump. Mark and drill a 1 3/4" hole in the sump wall. On the outside of the sump, sand around the hole removing all gel coat. Clean the hole with CH-DBC II and let air dry or wipe dry with a clean dry cloth. Separate penetration fittings are manufactured to fit either 3/4" rigid conduits PF-BC-1.1 or 1" rigid conduits PF-BC-1.4.</p> <p> </p>			
<p>Step 3</p> <p>Prepare the fitting: The fitting may be installed as received without preparation. However, it is better to sand the fitting so that all surfaces to be bond are roughed up. Clean the hole with CH-DBC II and let air dry or wipe dry with a clean dry cloth. Apply CH-DFB fiberglass bonder to the surfaces to be bonded both the sump wall and the penetration fitting.</p> <p> </p>			
<p>Step 4</p> <p>Install the fitting: Press the fitting into the hole and allow to cure for 12 hours prior to running the conduit through the fitting.</p> <p> fitting installed on conduit</p> <p>inside of Sump</p>			
<p>Step 5</p> <p>Prepare the conduit: Conduits may be run directly through the penetration fitting. If installing a nipple the nipple may be installed within 12 hours. If running a length of pipe through the fitting, that may apply force to the uncured epoxy it is best to wait 24 hours for installation. Dry fit and mark the location on conduit to be bonded. Sand and remove all foreign material and scuff the conduit. Apply CH-DFB bonder to the surface of the conduit to be bonded and install the conduit. Once the conduit is stable and will not be moved again, finish the bonding process by applying CH-DFB to all surfaces that have been bonded. Pack the lead in chamfers on the fiberglass fitting and wipe the epoxy to make a smooth joint.</p> <p></p>			
<p>Step 6</p> <p>Protect the conduit: Any metal conduit leaving the sump should be coated with CH-SB II. This soils barrier paint will prevent the conduits from corroding. In some locations painting the conduits inside the sump will prevent future degradation of the conduit.</p> <p> </p>			
<p>Tools Required</p> <ul style="list-style-type: none"> Sand paper for sump wall and pipe 1 3/4" hole saw CH-DAG III applicator gun for CH-DFB bonder 		<p>Products Needed</p> <ul style="list-style-type: none"> PF-BC-1.1 or PF-BC-1.4 - penetration fitting CH-DBC II Aerosol Cleaner 8 fittings per can CH-DFB 50ml Epoxy Bonder For Single Wall fitting estimate 8 ml 	

SU-SBA-CII & SU-SBA-CII SS



Diversified Products Manufacturing Inc.



Weaver Products

Installation Instruction

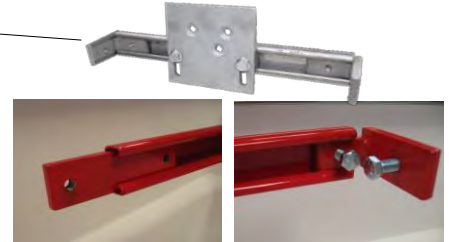
Stabilizer Bar Assembly SU-SBA and all Stainless SU-SBA SS

- Prepare all Surfaces:** All surfaces are powder coated or stainless steel. No surface preparation is required for these Stabilizer Bar Assemblies.
- Notice:** "L" Brackets may be reversed so that the unistrut supporting the Shear Valve may be installed from either direction.
- Cleaning:** Cleaning is not required for Stabilizer Bar Assemblies unless they have been neglected. If cleaning is required water or other mild solvent may be used.
- Tightening:** Tightening of the components is accomplished by pinch bolts or flat head bolts. Tighten all bolts snug with sufficient torque to stabilize all components.

Step 1

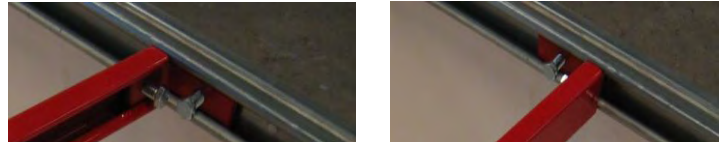
Stabilizer Bar Assemblies: SBA Assemblies are used for mounting shear valves in under dispenser containment. Insert Mounting Bar into the unistrut stabilizer Bar. Install "L" brackets into stabilizer bar. Note: The position of the relifs on the "L" brackets. The Stainless Steel assemblies, SU-SBA SS, are available and use the same mounting instructions.

Stainless Assembly



Step 2

Install Stabilizer Bar Assembly: The assembled Stabilizer bar slides into the sump rail. Note: The assembly can go in either direction.



Install Mounting Plate: The mounting plate bolts to the mounting bar installed in step 1. Secure with the two hex head 3/8-16 flange bolts.



Install Shear Valve to Mounting Plate: The shear valve is installed onto the Mounting Plate with 3 each 3/8-16 flat head screws.



Slide entire assembly into correct position: Secure in place with 4 each 3/8-16 hex bolts located in the angle brackets described in **Step 1** above. Adjust shear valve to proper height and tighten 2 ea 3/8-16 flange bolts to secure in place.





Tools Needed

Sockets or wrenches to tighten hex bolts & flange bolts
Allen set to tighten Flat Head Screws

Products Needed

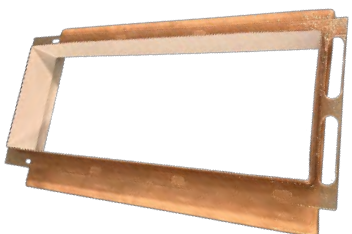
SU-SBA Stabilizer Bar Assembly Includes:
1-SU MB 5538 Mounting bar
1-SU-SB21 Stabilizer bar
2-SU-LB 3238 L brackets with
4-SU-H1 3/8-16 Hex Bolts
1-SU-MP5514 Mounting Plate
2-SU-H2 3/8-16x 7/8 Flange Bolt
3-SU-H3 3/8-16x3/4 Flat Head Screws

<h1>ES-CII-CMB-1.1</h1> <h1>ES-CII-CMB-1.4</h1>		Contractors Installation Instructions Conduit Mounting Bracket	
		<p>Conduit Mounting Brackets may be used on any bondable surface, On sump walls where the frame may be bolted with the CMB kit or in Unistrut to secure conduits. Conduit Mounting Kits are available for 3/4" and 1" Rigid Conduits. Contact the factory when bonding or unistrut mounting kits are required. These instructions are for bolt on applications.</p>	
			

Note: These instructions supplement those on the ES-INI-UDC Frame. All instructions on this page are performed in the field.

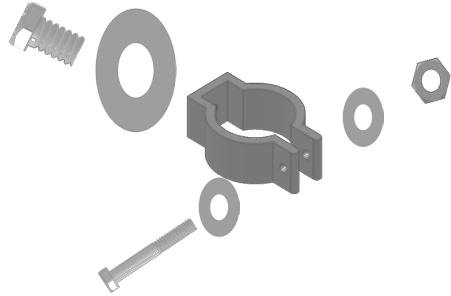
Step 1

Clean & Prepare Surface for Mounting : Mark the location where the bolt will penetrate the wall of the sumps frame. Remove any foreign particals. Sand if necessary to assure a flat smooth surface for the fender washer.



Step 2

Attach Bracket: Drill a hole for the 3/8" bolt. Insert the bolt through the fender washer and screw into the bracket. The head of the bolt and fender washer are mounted inside of the sump. The bracket is threaded to match the 3/8-16 bolt. Rotate the bracket so that it will receive a vertical conduit. Install H24 Bolt, both H10 Washers and H9 nut. Hand tighten all components.




Step 3

Attach Mounting Bracket: Mounting brackets are available for 3/4" & 1" rigid conduits. Order the quantity and size of SU-CMB assemblies required. Allow approximately 3" space between each mounting bracket.

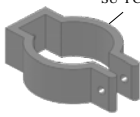







Step 4

Install the Conduits: Once the mounting brackets are installed, the Electrical contractor may run the conduits through the Mounting Brackets and secured by tightening the clamp bolt.



SU-CMB Kit Components

<p>Tools Required</p> <p>Sand Paper Sockets for 1/4-20 nut 3/8-16 Bolt</p>	<p>Products in each Kit</p> <p>SU-CMB-1.1 Sensor Mounting Kit includes: SU-CMB-1.4 Sensor Mounting Kit includes: SU PC-1.1 Pipe Clamp for 3/4" Rigid Conduit or SU PC-1.4 Pipe Clamp for 1" Rigid Conduit SH H11 1/4-20 x 1 1/2 Bolt SH H10 1/4-20 Washer 2 each SU H9 1/4-20 Nut SU H8 3/8x16 x 1/2 Bolt SU H42 3/8" Fender Washer</p>	<p>Materials Needed</p> <p>SU-CMB-1.1 for 3/4" Rigid Steel Conduits SU-CMB-1.4 for 1" rigid Steel Conduits</p>
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October 30, 2020

Mr. Josh Dow
Diversified Products Manufacturing Inc
5523 Baggett Marysville Rd
Oroville, CA 95965

RE: NDE Reference No: NDE20201020
Third-Party Certification under UL 2447- Outline of Investigation for
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for
Fuels PF-Penetration Fittings Series, Sump Entry Fittings and Test
Reducers
SR- Split Repair Sump Entry Fittings and Test Reducer Series
FG/PG Spilt Repair Series
CH- Series, All Chemicals used in the installation process
SU- Sumps and Accessories

Dear Mr. Dow,

In reference to the above listed products, our testing partner on this project (N.D. Eryou, PhD, PE) has performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the "Outline of Investigation for Fittings and Accessories for Fuels".

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM "Products Evaluated" listed above.

Disclaimer: Underwriters Laboratories (UL) is an independent testing laboratory and use of, in any way, of the UL Listing or Registered Trade Mark UL is prohibited unless specifically authorized by Underwriters Laboratories.

Very truly yours,

Brian E Lewis

Brian E Lewis, PE



Roundtable Engineering Solutions, Inc
660 Southpointe CT, Unit 300G
Colorado Springs, CO 80906

NOTICE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

February 3, 2021

Mr. Josh Dow
Diversified Products Manufacturing Inc
5523 Baggett Marysville Rd
Oroville, CA 95965

RE: NDE Reference No: NDE20201020
Third-Party Certification under UL 2447- Outline of Investigation for
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for Fuels
PF-Penetration Fittings Series, Sump Entry Fittings and Test Reducers
SR- Split Repair Sump Entry Fittings and Test Reducer Series
FG/PG Spilt Repair Series
CH- Series, All Chemicals used in the installation process.
SU - Sumps and Accessories

Dear Mr. Dow

In reference to the above listed products, we have performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the "Outline of Investigation for Fittings and Accessories for Fuels".

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM "Products Evaluated" listed above.

Further to your recent request with regard to your Canadian distributors utilization of the above test results, we have compared the testing requirements of UL (US) 2447 with CAN/ULC-S664:2017 and found them to be virtually identical.

There were only two differences that we found between the two Codes.

1. ULC S664 Section 5.8.5 "Extreme Low Temperature Impact Test – requires testing at -40°F and our tests were conducted at a minimum temperature of -30°F.

2. ULC S664 Section Appendix B 1.1 Defines 21 specific grades of fuel while UL US defines four grades of fuel, which covers the wide range of fuels commonly used by gasoline and diesel-powered vehicles.

Furthermore, we have reviewed the UL (US) website which contains the following relevant statement confirming the sharing of UL specifications between UL – US and UL - Canada:

“UL STANDARDS: ACCREDITED IN THE US AND CANADA

In the US, UL is accredited by the American National Standards Institute (ANSI) as an audited designator. In 2013, UL was accredited by the Standards Council of Canada (SCC) as a nationally recognized Standards Development Organization (SDO) able to develop National Standards of Canada (NSCs).

UL's Standards Technical Panels (STPs) serve as the consensus body for both American National Standards (ANS) and National Standards of Canada (NSC). Essential information About UL's standards development programs, how to Access Standards, and how to participate in the UL programs used to Develop Standards is available on this site.”

It should not be inferred that our test of DPM products addresses the issue of long-term quality control issues as both UL (US) and UL Canada do with their annual subscription programs.

Disclaimer: Underwriters Laboratories (UL – US & UL - Canada) are independent testing laboratories and use of, in any way, of the UL Listing or Registered Trademark UL is prohibited unless specifically authorized by Underwriters Laboratories (US or Canada).

Very truly yours,



N.D. Eryou, Ph.D., P.E.
Eryou Engineering
dennis@eryouengineering.com

NOTICE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

October 22, 2020

Mr. Josh Dow
Diversified Products Manufacturing Inc
5523 Baggett Marysville Rd
Oroville, CA 95965

RE: NDE Reference No: NDE20201020
Third-Party Certification under UL 2447- Outline of Investigation for
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for Fuels
PF-Penetration Fittings Series, Sump Entry Fittings and Test Reducers
SR- Split Repair Sump Entry Fittings and Test Reducer Series
FG/PG Spilt Repair Series
CH- Series, All Chemicals used in the installation process
SU- Sumps and Accessories

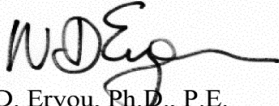
Dear Mr. Dow

In reference to the above listed products, we have performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the "Outline of Investigation for Fittings and Accessories for Fuels".

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM "Products Evaluated" listed above.

Disclaimer: Underwriters Laboratories (UL) is an independent testing laboratory and use of, in any way, of the UL Listing or Registered Trade Mark UL is prohibited unless specifically authorized by Underwriters Laboratories.

Very truly yours,


N.D. Eryou, Ph.D., P.E.





Reference Data



Frame Selection Data

To order the correct sump with frame use the selection chart below and add the indicated suffix to the Sump part number. ES-3617 G (Gilbarco Encore) becomes ES-4015 W (Wayne Ovation). All frames are fiberglass with conduitless entries at least one ends of the frame. Optional Stainless Frames are available on request add -SS to the product number.

Retail Sumps

Manufacturer	Dispenser	Footprint	Frame	
Gilbarco	Encore	40 9/16x 23 3/4	-3617 G	
	Advantage	36x21 1/2	-2915 G	
	Advantage	48x21 1/2	-3814 G	
	Global		-2715 G	
	Legacy	27x15 11/16	-2307 G	
Wayne	Helix			
	Ovation	43.46x19.42	-4015 W	
	Vista 4V590 P/U & 595P/U	48x20	-3811 W	
	Vista V389P Suction	35x20	-2811 W	
	DEF Models	31x20	-2811 W	
	Vista HS3/V387D	35x20	-2815 W	
	Vista 3/G72 Series	32 1/4x19 3/8	-2815 W	
Bennett	Pacific	44 3/8 x 19 1/4	-4015 B	
	Atlantic	48.15x24	-4018 B	
	300/400 Series	30x20	-3020 B	New

Note the Pacific's anchor bolt pattern is different than Wayne's

Commercial Sumps

Manufacturer	Dispenser	Footprint	Frame
Gilbarco	GasBoy		
	Atlas	28.41x15.96	-2412 G
		28.41x15.7	-2412 G
		28.41x15.51	-2412 G
Wayne	3/G7200	32.25x19.37	-2715 W
	S1 D3/	22.75x18.25	-169.5 W
Bennett	3000 Series	30x20	-2312 B
Manufacturer "Other"	Dispenser	Footprint	Frame



Stabilizer Bar Assembly

Powder Coated
Stainless

SU-SBA-21
SU-SBA-21-SS

Select



Shear Valve

Single Poppet Powder Coated
Single Poppet Vapor
Single Poppet DEF
Double Poppet Powder Coated
Double Poppet Stainless

SU-1.5SV SP
SU-SV-1.5SP
SU-SV-DEF
SU-1.5SV DP
SU-1.5SV DP-SS



Flex Connector

1 1/2" Male x Quick Release
1 1/2" Male x Quick Release
1 1/2" Quick Release both ends
1 1/2" Quick Release both ends
1 1/2" Quick Release both ends
1/1/2" Quick Release Econo

12"
15"
9"
12"
15"



Flex Connector End

1 1/2"	90 Elbow	1 1/2" FPT	
1 1/2"	90 Elbow	2" FPT	
1 1/2"	90 Elbow	2" Sanitary	
1 1/2"	90 Elbow	2" Glued	
1 1/2"	Tee	1 1/2" FPT	
1 1/2"	Tee	2" FPT	
1 1/2"	Tee	2" Sanitary	
1 1/2"	Tee	2" Glued	



Penetration Fitting 2 fittings per Pass Through line or 1 fitting for End of Run applications



2"	Fiberglass	SW	PF-FGT-2	
2" LCX	Fiberglass	DW	PF-FGT-2LCX	
3x2	Fiberglass	DW	PF-FGT-3x2	
3"	Fiberglass	SW	PF-FGT-3	
3" LCX	Fiberglass	DW	PF-FGT-3LCX	
4 x3	Fiberglass	DW	PF-FGT-4x3	
1 1/2"	OPW C-15	Compact	PF-FGC-2.0	
2"	OPW C-20	Compact	PF-FGC-2.45	
1 1/2"	APT	Compact	PF-FGC-1.9	
1 3/4"	APT	Compact	PF-FGC-2.15	
2"	APT	Compact	PF-FGC-2.65	
1"	Omegaflex	Compact	PF-FGC-1.55	
1 1/2"	Omegaflex	Compact	PF-FGC-2.30	
2	Omegaflex	Compact	PF-FGC-2.93	
2"	NOV SW	Compact	PF-FGC-2.32	

Qty



Accessories

Epoxy Bonder with 2 Static Mixers CH-DFB-50ml
Conduit Mounting Bracket 3/4" SU-CMB-1.1
1" SU-CMB-1.4
Sensor Mounting Bracket VR-208 SU-SMB-1.9
2" VR Bracket SU-SMB-2.5

Qty

Electronics Veeder Root 208
Other _____