OmegaFlex Complimentary Products





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Phone: 530-534-3966 Fax 530-534-7404





"Better by Design"

OmegaFlex FGC Series Penetrations

Fiberglass Penetrations for Omegaflex DoubleTrac Pipe - Single Wall or Double Wall Sump applications for Direct Burial Applications



Fiberglass Penetrations for Omegaflex DoubleTrac Pipe - Single Wall or Double Wall Sump applications For Corrugated Ducted Applications



Tools for Tightening Omegaflex Compact Fittings

Part #	Description	List Price
PF-FGC-S-Tool	Spanner Tool for Small Nut - 1.18" OD through 1.55" OD Pipe	\$122.50
PF-FGC-M-Tool	Spanner Tool for Medium Nut - 1.70" OD through 3.93" OD Pipe	\$122.50
PF-FGC-Tool Kit	Two Spanner Tools with Torque Wrench	\$350.00
Part #	Description	List Price
Part # CH-DFB-50ml	Description 50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations	List Price \$104.12
CH-DFB-50ml		\$104.12
	50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations	
CH-DFB-50ml	50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III Enough Epoxy for 4 PF-FGC Fittings	\$104.12
CH-DFB-50ml	50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III Enough Epoxy for 4 PF-FGC Fittings Static Mixer for use with CH-DBF-50ml	\$104.12
CH-DFB-50ml CH-DSM-V	SOmI Cart Set Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III Enough Epoxy for 4 PF-FGC Fittings Static Mixer for use with CH-DBF-50ml This is a fast curing Product. Additional Static Mixers may be required.	\$104.12 \$15.76
CH-DFB-50ml CH-DSM-V	50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III Enough Epoxy for 4 PF-FGC Fittings Static Mixer for use with CH-DBF-50ml This is a fast curing Product. Additional Static Mixers may be required. Plastic Applicator Gun	\$104.12 \$15.76
CH-DFB-50ml CH-DSM-V CH-DAG III	50ml Cart Set Fiberglass Bonder for Fiberglass Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III Enough Epoxy for 4 PF-FGC Fittings Static Mixer for use with CH-DBF-50ml This is a fast curing Product. Additional Static Mixers may be required. Plastic Applicator Gun for use with 50ml Cartridge Sets	\$104.12 \$15.76 \$142.49

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Wide UDC's for Omegaflex

	Part #	Description	List Price
	ES-4036	Jumbo 40x36x30 UDC, Bottom, Frame & Rails	\$3,299.00
	Contact the factory fo	are available with split lids for various transition sump application or specific applications including prefabricated sumps. tainless steel Frame on request.	s. Contact the
40x36x30 Jumbo Retail Sump			
	Part #	Description	List Price
	SU-SBA-36-PC	Stabilizer Bar Assembly for 36" Wide Sumps Powder Coated	\$142.50
7 7	SU-SBA-36-SS	Stabilizer Bar Assembly for 36" Wide Sumps Stainless Steel	\$227.82
-			
		ersified Products Manufacturing	

for Fiberglass		
Part #	Description	List Prie
PF-SHS-1.75x2.8	Sanding Hole Saw for 3/4 & 1" Bonded Electrical Conduits SW Sumps	\$232.2
PF-SHS-2x2.8	Sanding Hole Saw for 3/4 & 1" Bonded Electrical Conduits DW Sumps	\$256.6
PF-SHS-2x3	Sanding Hole Saw for B2 Series Penetrations SW Sumps	\$261.1
PF-SHS-3.5x5.2	Sanding Hole Saw for B3.5 Series Penetrations SW Sumps	\$407.5
PF-SHS-5x6.7	Sanding Hole Saw for B5 Series Penetrations SW Sumps	\$565.8
PF-SHS-6x7.6	Sanding Hole Saw for B6 Series Penetrations SW Sumps	\$587.0
PF-SHS-2.25x4.5	Sanding Hole Saw for 4 Stud Penetrations SW Sumps	\$291.7
PF-SHS-4x6.7	Sanding Hole Saw for 8 Stud Penetrations SW Sumps	\$466.0
PF-SHS-5.5x8	Sanding Hole Saw for 10 Stud Penetrations SW Sumps	\$509.8
PF-SHS-4.5x6.38	Sanding Hole Saw for FGT & FGC Series Fiberglass Penetrations SW Sumps	\$467.3
PF-SHS-5x6.85	Sanding Hole Saw for Omegaflex Series Penetrations SW Sumps	\$566.5
PF-SHS-5x6.38	Sanding Hole Saw for FGT & FGC Series Fiberglass Penetrations DW Sumps	\$566.5
PF-FGC-5.5x6.85	Compact Fiberglass Penetration for Omegaflex Penetrations DW Sumps	\$495.3

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"Better By Design"

OmegaFlex Compact Penetration Fittings

Technical Data Sheet

With the introduction of the new Compact Penetration Fitting for OmegaFlex pipe, significant labor can be saved by installing the End Fitting prior to installation inside the sump. This advancement along with a wider UDC compatible with all dispensers makes installation for OmegaFlex Systems considerably easier and saves significant time.



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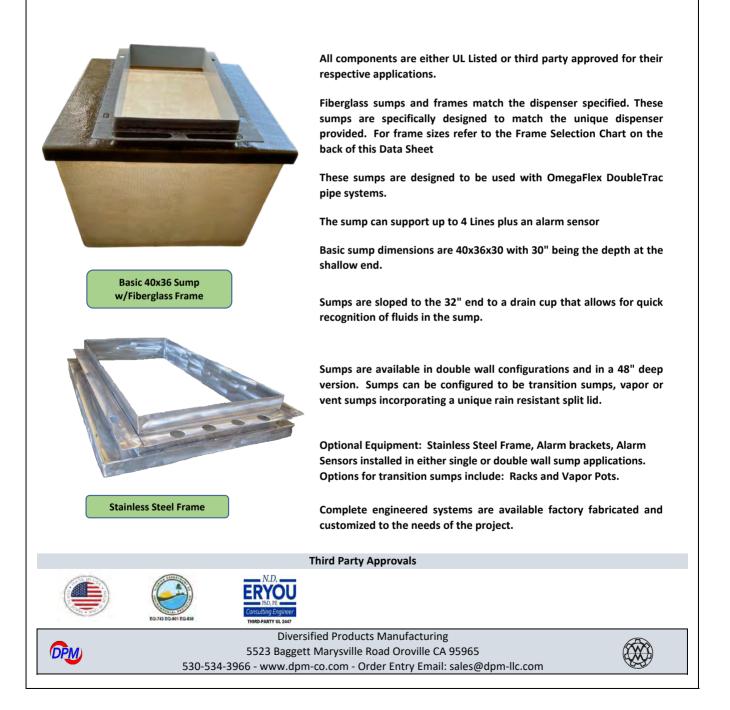


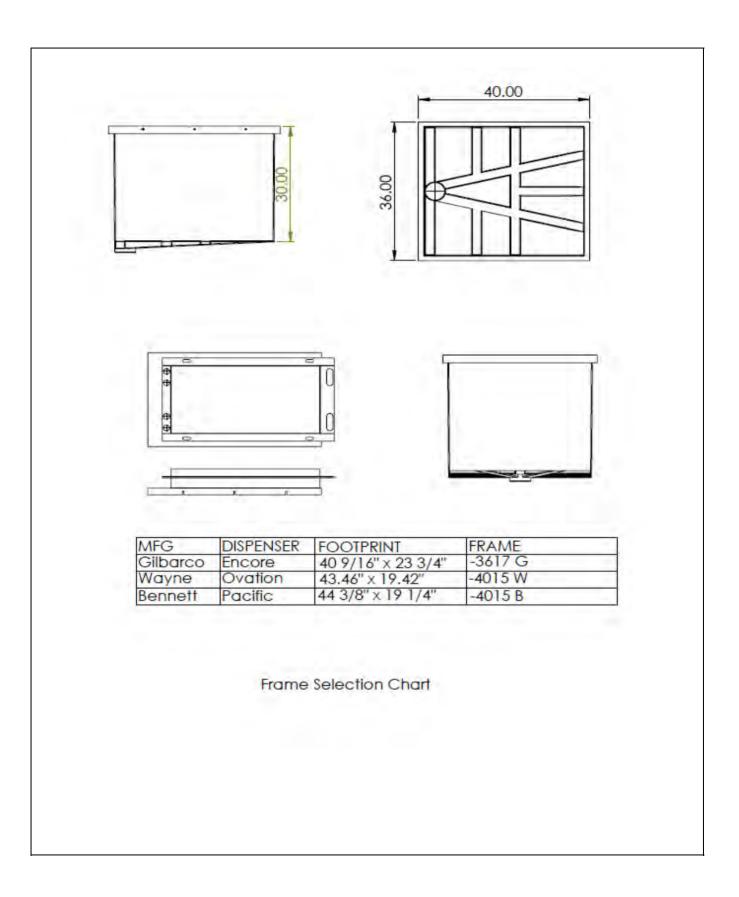
"Better By Desígn"

40"x36"x30" UDC's and OmegaFlex Compact Penetration Fittings

Technical Data Sheet

With the introduction of the new Compact Penetration Fitting for OmegaFlex pipe, significant labor can be saved by installing the end Fitting prior to installation inside the sump. This advancement along with a wider UDC compatible with all dispensers makes installation for OmegaFlex Systems considerably easier and saves significant time.







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Sanding Hole Saws

Technical Data Sheet

Proper Hole saw selection for penetration fittings is key to having a tight sump. After the hole is cut, the sump should be sanded to remove all gel coat and to smooth rough fiberglass surfaces on the surfaces to be bonded. This can now be accomplished in one step with Diversified's Sanding Hole Saws. Sanding hole saws are manufactured to match the penetration fitting's diameter and provided a smooth relief for the diameter of the bonding surface. An additional slight relief is designed for excess epoxy to easily compress to the outside of the fitting.

Sanding hole saws are available for all penetrations made up to 6 1/2" Diameter.

Sanding hole saws are industrial grade carbide tipped

The hole saw is backed with an aluminum disc with an abrasive surface.

Abrasive surfaces are replacebale in the field by bonding on commercial sand paper of the grit desired.

Reduces labor by doing two operations at the same time.

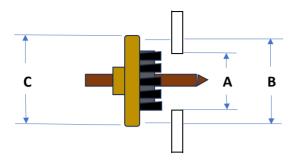
Assures a smooth, even bonding surface for penetration fittings.



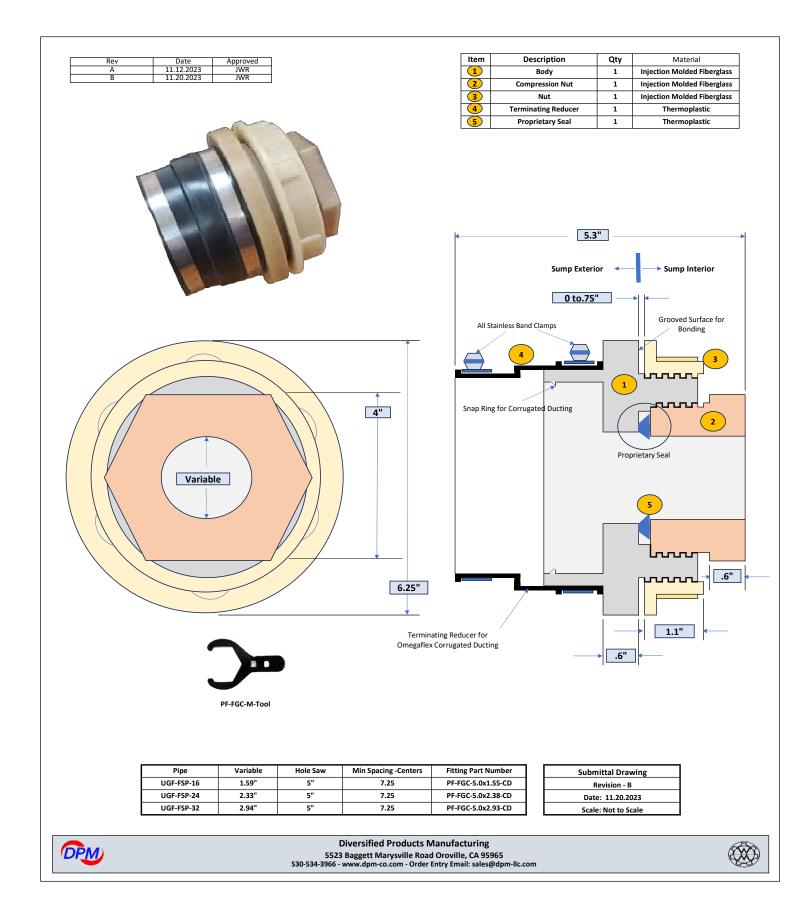


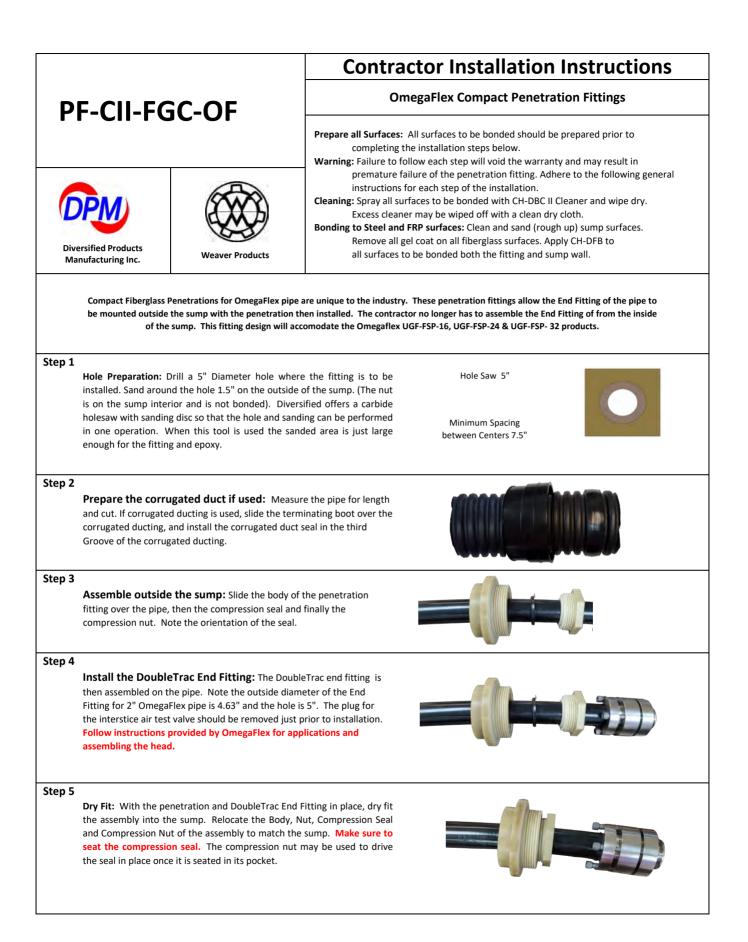
Diversified Products Manufacturing 5523 Baggett Marysville Road Oroville CA 95965 530-534-3966 - www.dpm-co.com - Order Entry Email: sales@dpm-llc.com





A Hole Saw	B Bonding Diameter	C SHS Diameter	Product Number	Application	Sump
1 3/4	2.61"	2.68"	PF-SHS-1.75x2.8	Bonded Electrical Conduit 3/4"	Single Wall
1 3/4	2.61"	2.68"	PF-SHS-1.75x2.8	Bonded Electrical Conduit 1"	Single Wall
2	2.97	3	PF-SHS-2x3	B2 Threaded Traditional Design	Single Wall
3.5	5.04	5.2	PF-SHS-3.5x5.2	B3.5 Threaded Tratitional Design	Single Wall
5	6.54	6.7	PF-SHS-5x6.7-	B5 Threaded Tratitional Design	Single Wall
6	7.43	7.6	PF-SHS-6x7.6	B6 Threaded Tratitional Design	Single Wall
2 1/4	4.34	4.5	PF-SHS-2.25x4.5	4 Stud Traditional Design	Single Wall
4"	6.34	6.5	PF-SHS-4x6.7	8 Stud Traditional Design	Single Wall
5 1/2	7.96	8	PF-SHS-5.5x8	10 Stud Traditional Design	Single Wall
4 1/2	6.25	6.38	PF-SHS-4.5x6.38	FGC & FGT Fiberglass Fittings	Single Wall
5	6.55	6.85	PF-SHS-5x6.85	Omegaflex Fiberglass Compact Fittings	Single Wall
2	2.61"	2.68"	PF-SHS-2x2.8	2" Interstice seal for Bonded Electrical Conduit 3/4"	Double Wall
2	2.61"	2.68"	PF-SHS-2x2.8	2" Interstice seal for Bonded Electrical Conduit 1"	Double Wall
					Double Wall
					Double Wall
					Double Wall
					Double Wall
				Contact Factory for Applications	Double Wall
				contact factory for Applications	Double Wall
					Double Wall
					Double Wall
					Double Wall
					Double Wall
5	6.25	6.38	PF-SHS-5x6.38	Interstice Seal for FGC & FGT Fiberglass Fittings	Double Wall
5 1/2	6.55	6.85	PF-SHS-5.5x6.85	Interstice Seal for Omegaflex Fiberglass Compact Ftg	Double Wall





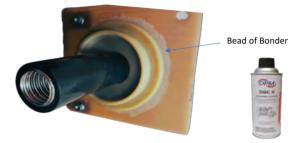
Step 6

Connect the pipe to the mating components: Slide the penetrations' nut over the head prior to the final installation of the assembly. At this point the DoubleTrac End Fitting should be connect to the mating component. Install the seal and compression nut. This verifies that the fitting is in the correct location.

Step 7

Bond to sump Wall: Clean the surfaces to be bonded with CH-DBC II and let air dry or dry with a clean dry cloth. Apply CH-DFB bonder to the sump surface and the fitting surface. Slide the assembly in place, install the nut that holds the penetration in place and tighten. Be sure there is enough bonder on the fitting to force a small bead to the outside of the fitting. This bead of bonder must extend entirely around the fitting. If not, remove and reply bonder and install until the bead of bonder is present. It should take less than 50 ml of bonder to properly bond the fitting to the sump wall.





Step 8

Seat the seal and compression nut: Push the seal into the penetration fitting and thread in the compression nut. Tighten with the Spanner tool and torque wrench. Torque the nut until 25 ft lb is attained on the torque wrench. Note: the tool supplied multiplies the torque of the wrench.



Step 9

If Corrugated Ducting is used: Install the corrugated duct seal in the third groove of the corrugated ducting. Snap the corrugated ducting into the end of the penetration fitting. The corrugated duct seal should be visible. Slide the terminating reducer over the penetration fitting and tighten clamps. The corrugated duct seal should be directly under the outbound band clamp. Do not exceed 60 ft lb when tightening the band clamps.



Tools Required 5" Sanding hole saw Spanner tool with torque wrench

Products Needed CH-DFB-50ml Fiberglass epoxy. CH-DBC II Cleaner



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.





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NOTICE OF COMPLETION OFTHIRD-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 <u>testing requirements</u> 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^{0} F and our tests were conducted at a minimum temperature of -30^{0} F.
- 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

November 2023

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



Florida Office 1460 Breezy Way Spring Hill, FL 34608 352.684.7275 Alex@eryouengineering.com Southwest Florida Office 5051 Castello Drive, Suite 244 Naples, FL 34103 239.530.4301 dennis@eryouengineering.com

<u>New Jersey Office</u> 107 Lincoln Avenue Florham Park, NJ 07932 973.919.6842 robert@eryouengineering.com

NOTICE OF COMPLETION OFTHIRD-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.