Traditional Products Catalog



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Most Cost Effective and Complete Selection of Penetration Fittings



Threaded Penetrations

Single Sided for pipe through 4" LCX

Single Sided with Integral Test Reducer

Double Sided for Pipe through 4" LCX

Studded Penetrations

Single Sided for Pipe through 6" Nominal

Single Sided Inverted

Double Sided for pipe through 6" Nominal

Filled penetrations for pipe through 6" Nominal

Reducers, Inserts, Caps & Plugs

Terminating & Test Reducers All Stainless Air Test Valves Made in USA Eccentric Reducers Dual Port Reducers Caps & Plugs for 2" Nominal to 6" Nominal Pipe Inserts for every Need

Third Party Approvals

All Products N.D. Eryou

All Products Round Table Engineering

State of California - Spill Container Liners

State of Florida EQ-742, EQ-801, EQ-836

Selected Products 3rd Party UL Listing







Product Bulletin

Traditional Products



Compared to the competition, DPM offers the Most Cost Effective Penetration Fittings in the Market

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



Threaded Penetrations Single Sided, Double Sided With Integral Test reducers



Studded Penetrations Single Sided, Double Sided Inverted Penetrations



Filled Penetrations
Double Sided



Test Reducers With US Made Stainless Air Valves



Inserts Wide Range of Sizes



Caps & Plugs

Third Party Approved to UL 2447 Protocols

Call us for a sample or test site

We have been here since 1991

First Testable Penetrations, Magnetic Tank Sump Lid, Compact Penetration -No rubber in the sump, & now all the options for repairing your site you need.

CHECK IT OUT

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







The US EPA issued regulations in 1988 that changed the fueling industry. Shortly after the introduction of products for double wall containment, components started to fail due to direct exposure to petroleum based fluids and more importantly to the vapors associated with these products. Today the industry has partially moved away from flexible entry boots and terminating reducers to fiberglass options. The materials selected for penetrations by the early manufacturers in the industry proved to be lacking. Diversified however has less than 50 reported failures with 10' of thousands sold annually since their introduction. The "B" Series is a family of threaded penetrations with significant demand today.



Sylvin Proprietary Polymers

Materials

Selection of materials was a major concern in 1991 when Diversified first introduced this series. Alcryn, a melt processable rubber, was the material of choice. At that time Alcryn was used to manufacture some products exposed directly to fuels and had an outstanding track record. Diversified used this material from 1991 through 2015. With the introduction of next generation technology, we have moved on to Sylvin, a thermoplastic polymer. The Sylvin product test results reveal an even greater resistance to fuels and fuel vapors. In addition to being fuel resistant, the material is very flexible resisting damage for non perpendicular entries. The sylvin material may also be compressed significantly without failure. This is important when clamping oversized boots onto smaller pipe. Diversified's "B" series has a track record of over 30 years with a failure rate of less than .001% or 1 out of 100,000 over 30 years!



Sealing to curved surfaces is significantly more difficult than sealing to flat surfaces. Diversified developed the conical shaped seal. This seal has multiple grooves with a flap design. This design helps the grooves to overlap to create a superior seal on round surfaces. On a typical sump the conical design will collapse at the top and bottom to accommodate the curvature of the sump. On the sides of the seal the flap design is in a more relaxed state and seals to these surfaces as well. This allows a single product to be used on all surfaces. Some sizes have been tested to seal to 24" round surfaces. Earlier competitive designs relied on flat or grooved surfaces. These products are no longer available to the market.

Size Availability

Diversified Products "B" Series of penetrations is available in all sizes from 3/4" nominal through 4" nominal pipe without the use of inserts. The "B" Series is also manufactured for all metric sizes in this range. Additionally, the "B" series is manufactured for all APT and OPW flex pipes as well as Omegaflex and Brugg semi flexible pipe and Ameron LCX pipe. Inserts are available to convert from ANSI pipe standards to other pipe such as copper and plastics manufactured for other industries. Uniquely, the "B" series is available with integral step down reducers, reducing space consumption in the sump. These offerings are less expensive than a penetration and a separate test reducer. Penetrations with integral reducers are supplied with all stainless test valves. All components are manufactured in the United States of America.



Ideal for projects requiring long lasting products on a budget.

Double Sided

Many failures associated with penetration fittings are associated with stresses caused by backfill entering the cavity created on the outside of the sump between the pipe and the penetration. This cavity is also subject to freezing and thawing water where there is a high water table. This is problem is eliminated by using a double sided penetration. The "B" series penetrations are available in double sided for pipe applications and for corrugated ducting.

Cost Effective

When compared to equivalent studded penetrations, the "B" series is quicker to install with only a single hole required. Cost is always a consideration. The "B" series list price is often 1/2 that of the competitive product. See the "Dare to Compare" bulletin, in this catalog, for a contemporary comparison of the Diversified threaded and studded offerings compared to APT and OPW offerings.





The US EPA issued regulations in 1988 that changed the fueling industry. Shortly after the introduction of products for double wall containment, components started to fail due to direct exposure to petroleum based fluids and more importantly to the vapors associated with these products. Today the industry has partially moved away from flexible entry boots and terminating reducers to fiberglass options. The materials selected for penetrations by the early manufacturers in the industry proved to be lacking. Diversified however has less than 50 reported failures with 10's of thousands sold annually since their introduction. The studded series is a family of penetrations with significant demand today.



Sylvin Proprietary Polymers

Materials

Selection of materials was a major concern in 1991 when Diversified first introduced its penetrations. Alcryn, a melt processable rubber, was the material of choice. At that time Alcryn was used to manufacture some products exposed directly to fuels and had an outstanding track record. Diversified used this material from 1991 through 2015. With the introduction of next generation technology, we have moved on to Sylvin, a thermoplastic polymer. The Sylvin product test results reveal an even greater resistance to fuels and fuel vapors. In addition to being fuel resistant, the material is very flexible resisting damage for non perpendicular entries. The sylvin material may also be compressed significantly without failure. This is important when clamping oversized boots onto smaller pipe. Diversified's "B" series has a track record of over 30 years with a failure rate of less than .001% or 1 out of 100,000 over 30 years!

Product Design

Sealing to curved surfaces is significantly more difficult than sealing to flat surfaces. Diversified developed flexible over molded back and front plates. Diversified tested imbedding studs into these plates in excess of 15 ft lb. torque without failure. Stainless studs fail at 20 ft lbs. when using the same test protocols. This allows the sealing surfaces to easily conform to round and flat surfaces. All known competitive products use an over molded steel plate that naturally resists forming to a curved surface. Additionally Diversified developed a stress roll in its studded series penetration fittings. This allows non perpendicular entries to be sealed with minimum stress on the boots.



Size Availability

Diversified Products Studded Series of penetrations is available in all sizes from 3/4" nominal through 8" nominal pipe without the use of inserts. The studded series is also manufactured for all metric sizes in this range. Additionally, the studded series is manufactured for all APT and OPW flex pipes as well as Omegaflex and Brugg semi flexible pipe and Ameron LCX pipe. Inserts are available to convert from ANSI pipe standards to other pipe such as copper and plastics manufactured for other industries. All components are manufactured in the United States of America.



Double Sided

Many failures associated with penetration fittings are associated with stresses caused by backfill entering the cavity created on the outside of the sump between the pipe and the penetration. This cavity is also subject to freezing and thawing water where there is a high water table. This problem is eliminated by using a double sided penetration. The studded series penetrations are available in double sided for pipe applications and for corrugated ducting.

Cost Effective

Ideal for projects requiring long lasting products on a budget When compared to equivalent studded penetrations, list price is often significantly less that of the competitive product. See the "Dare to Compare" bulletin in this catalog, for a contemporary comparison of the Diversified threaded and studded offerings compared to APT and OPW offerings.



B Series Penetration Fittings



B2 Series Threaded Penetration Fittings (Required 2" Hole Saw)

	Part #	Description	List Price
A Strategy	PF-B2-1.1	B2 for 3/4" Nominal Pipe	
	PF-B2-1.3	B2 for 1.3" OD Pipe (32mm Pipe)	\$27.99
	PF-B2-1.4	B2 for 1" Nominal Pipe	
	PF-B2-41	B2 for 1" Nominal pipe with insert for 3/4"	\$36.57
	PF-B2-419	B2 for 1" Nominal Pipe with Inserts for 1/2" & 3/4"	\$45.15

B3.5 Series Threaded Penetration Fittings (Required 3 1/2" Hole Saw)

	Part #	Description	List Price
	PF-B3.5-1.5	B3.5 for 1.5" OD Pipe	
	PF-B3.5-1.6	B3.5 for 1.6" OD Pipe (40mm)	
	PF-B3.5-1.7	B3.5 for 1 1/4" Nominal Pipe	
	PF-B3.5-1.9	B3.5 for 1 1/2" Nominal Pipe	
	PF-B3.5-2.0	B3.5 for 2.0" OD Pipe (OPW C15A & 50mm)	\$34.21
20	PF-B3.5-2.2	B3.5 for 2.2" OD Pipe APT XP-175SC 1 3/4" Pipe	
	PF-B3.5-2.4	B3.5 for 2" Nominal (NOV 2" FRP)	
	PF-B3.5-2.5	B3.5 for 2.5" OD Pipe (OPW C20A & 63mm)	
	PF-B3.5-2.7	B3.5 for 2.7" OD Pipe (NOV 2" LCX)	

B5 Series Threaded Penetration Fittings (Required 5" Hole Saw)

Part #	Description	List Price
PF-B5-2.7	B5 for 2.7" OD Pipe (NOV 2" LCX)	
PF-B5-2.9	B5 for 2 1/2" Nominal Pipe	
PF-B5-3.0	B5 for 3.0" OD Pipe (75mm)	\$41.99
PF-B5-3.3	B5 for 3.2"-3.3" OD Pipe	Ş41.55
PF-B5-3.6	B5 for 3" Nominal Pipe & 90 mm Pipe	
PF-B5-3.8	B5 for 3.8" OD Pipe (NOV 3" LCX)	

B6 Series Threaded Penetration Fittings (Required 6" Hole Saw)



Part #	Description	List Price
PF-B6-4.4	B6 for 4.4" OD Pipe (110mm)	
PF-B6-4.5	B6 for 4" Nominal Pipe	\$49.76
PF-B6-4.8	B6 for 4.8" OD Pipe (NOV 4" LCX)	\$49.70
PF-B6-5.0	B6 for 5.0" OD Pipe (125 mm)	

B Series Penetration Fittings with Integral Reducers



B3.5 Series Threaded Penetration Fittings with Integral Test Reducers (Required 3.5" Hole Saw)

"Better by Design"

Part #	Description	List Price
PF-B3.5-40x32 A	B3.5 for 40x32mm with air test valve	
PF-B3.5-63x50 A	B3.5 for 63x50 mm with air test valve	
PF-B3.5-2.7x2.4 A	B3.5 for 2" LCX with air test valve	\$44.92

B5 Series Threaded Penetration Fittings with Integral Test Reducers (Required 5" Hole Saw)



Part #	Description	List Price
PF-B5-75x63 A	B5 for 75x63mm with air test valve	
PF-B5-90x75 A	B5 for 90x75mm with air test valve	
PF-B5-3.6x2.4 A	B5 for 3" FRP over 2" FRP with air test valve	\$53.09
PF-B5-3.8x3.5 A	B5 for 3" LCX with air test valve	ŞSS.09

B3.5 Series Double Sided Threaded Penetration Fittings with Integral Test Reducers (Required 3.5" Hole Saw)



PF-B3.5D-40x32 A	B3.5 for 40x32mm with air test valve	
PF-B3.5D-63x50 A	B3.5 for 63x50 mm with air test valve	
PF-B3.5D-2.7x2.4 A	B3.5 for 2" LCX with air test valve	\$82.05

B5 Series Double Sided Threaded Penetration Fittings with Integral Test Reducers (Required 5" Hole Saw)



Part #	Description	List Price
PF-B5D-75x63 A	B5 for 75x63mm with air test valve	
PF-B5D-90x75 A	B5 for 90x75mm with air test valve	
PF-B5D-3.6x2.4 A	B5 for 3" FRP over 2" FRP with air test valve	\$124.72
PF-B5D-3.8x3.5	B5 for 3" LCX with air test valve	\$124.72



B Series Double Sided Penetration Fittings



B2 Series Double Sided Threaded Penetration Fittings (Required 2" Hole Saw)

Part #	Description	List Price
PF-B2D-1.1	B2 for 3/4" Nominal Pipe	
PF-B2D-1.3	B2 for 1.3" OD Pipe (32mm Pipe)	\$61.02
PF-B2D-1.4	B2 for 1" Nominal Pipe	
PF-B2D-41	B2 for 1" Nominal pipe with insert for 3/4"	\$78.18
PF-B2D-419	B2 for 1" Nominal Pipe with Inserts for 1/2" & 3/4"	\$95.34
	PF-B2D-1.1 PF-B2D-1.3 PF-B2D-1.4 PF-B2D-41	PF-B2D-1.1B2 for 3/4" Nominal PipePF-B2D-1.3B2 for 1.3" OD Pipe (32mm Pipe)PF-B2D-1.4B2 for 1" Nominal PipePF-B2D-41B2 for 1" Nominal pipe with insert for 3/4"

B3.5 Series Double Sided Threaded Penetration Fittings (Required 3 1/2" Hole Saw)



Part #	Description	List Price
PF-B3.5D-1.5	B3.5 for 1.5" OD Pipe	
PF-B3.5D-1.6	B3.5 for 1.6" OD Pipe (40mm)	
PF-B3.5D-1.7	B3.5 for 1 1/4" Nominal Pipe	
PF-B3.5D-1.9	B3.5 for 1 1/2" Nominal Pipe	
PF-B3.5D-2.0	B3.5 for 2.0" OD Pipe (OPW C15A & 50mm)	\$71.34
PF-B3.5D-2.2	B3.5 for 2.2" OD Pipe APT XP-175SC 13/4" Pipe	
PF-B3.5D-2.4	B3.5 for 2" Nominal (NOV 2" FRP)	
PF-B3.5D-2.5	B3.5 for 2.5" OD Pipe (OPW C20A & 63mm)	
PF-B3.5D-2.7	B3.5 for 2.7" OD Pipe (NOV 2" LCX)	

B3.5 Series Double Sided Threaded Penetration Fittings with integral reducers (Required 3 1/2" Hole Saw)



Part #	Description	List Price
PF-B3.5D-40x32	B3.5 for 40mm over 32mm	
PF-B3.5D-63x50	B3.5 for 63mm over 50mm	
PF-B3.5D-2.7x2.4	B3.5 Double Sided for 2" LCX	\$82.05

B5 Series Double Sided Threaded Penetration Fittings (Required 5" Hole Saw)



Part # Description	
B5 for 2.7" OD Pipe (NOV 2" LCX)	
B5 for 2 1/2" Nominal Pipe	
B5 for 3.0" OD Pipe (75mm)	\$113.62
B5 for 3.3" OD Pipe	Ş115.02
B5 for 3" Nominal Pipe & 90 mm Pipe	
B5 for 3.8" OD Pipe (NOV 3" LCX)	
	B5 for 2.7" OD Pipe (NOV 2" LCX) B5 for 2 1/2" Nominal Pipe B5 for 3.0" OD Pipe (75mm) B5 for 3.3" OD Pipe B5 for 3." Nominal Pipe & 90 mm Pipe

B5 Series Double Sided Threaded Penetration Fittings with integral Reducers (Required 5" Hole Saw)



Part #	Description	List Price
PF-B5D-75x63 A	B5 Double sided for 75mm over 63mm	
PF-B5D-90x75 A	B5 Double sided for 90mm over 75mm	
PF-B5D-3.6x2.4 A	B5 Double Sided for 3" FRP over 2" FRP	\$124.72
PF-B5D-3.8x3.6 A	B5 Double Sided for 3" LCX	



Traditional Studded Series Penetration Fittings



4 Stud Series Penetration Fittings (Required 2" Hole Saw)

	Part #	Description	List Price
1.8	PF-T4S9	4 Stud for 1/2" Nominal Pipe	
	PF-T4S-1.1	4 Stud for 3/4" Nominal Pipe	\$37.31
I SUL	PF-T4S-1.3	4 Stud for 1.3" OD Pipe (32mm Pipe)	\$37.31
	PF-T4S-1.4	4 Stud for 1" Nominal Pipe	
	PF-T4S-41	4 Stud for 1" Nominal pipe with insert for 3/4"	\$45.89
	PF-T4S-419	4 Stud for 1" Nominal Pipe with Inserts for 1/2" & 3/4"	\$54.47

8 Stud Series Penetration Fittings (Required 3 1/2" Hole Saw)

	Part #	Description	List Price
	PF-T8S-1.5	8 Stud for 1.5" OD Pipe	
	PF-T8S-1.6	8 Stud for 1.6" OD Pipe (40mm)	
	PF-T8S-1.7	8 Stud for 1 1/4" Nominal Pipe	
12 8	PF-T8S-1.9	8 Stud for 1 1/2" Nominal Pipe	
	PF-T8S-2.0	8 Stud for 2.0" OD Pipe (OPW C15A & 50mm)	
- ()	PF-T8S-2.2	8 Stud for 2.2" OD Pipe (APT XP-175SC Pipe) 1 3/4"	
	PF-T8S-2.4	8 Stud for 2" Nominal (NOV 2" FRP)	\$46.64
96	PF-T8S-2.5	8 Stud for 2.5" OD Pipe (OPW C20A & 63mm)	
	PF-T8S-2.7	8 Stud for 2.7" OD Pipe (NOV 2" LCX)	
	PF-T8S-2.9	8 Stud for 2 1/2" Nominal Pipe	
	PF-T8S-3.0	8 Stud for 3.0" OD Pipe (75mm)	
	PF-T8S-3.3	8 Stud for 3.3" OD Pipe	
	PF-T8S-3.6	8 Stud for 3" Nominal Pipe (3" FRP & 90mm)	

10 Stud Series Penetration Fittings (Required 5" Hole Saw)

	Part #	Description	List Price
00	PF-T10S-3.6	10 Stud for 3" Nominal Pipe (3" FRP & (90mm)	
Mile free	PF-T10S-3.8	10 Stud for 3.8" OD Pipe (3" LCX)	
	PF-T10S-4.4	10 Stud for 4.4" OD Pipe (110mm)	\$57.54
11- 20	PF-T10S-4.5	10 Stud for 4" Nominal Pipe (4" FRP)	\$57.54
66	PF-T10S-4.8	10 Stud for 4.8" OD Pipe (4" LCX)	
	PF-T10S-5.0	10 stud for 5.0" OD (125mm)	

12 Stud Series Penetration Fittings (Required 6 7/8" Hole Saw)

	Part #	Description	List Price
	PF-T12S-5.2	12 Stud for 5.2" OD Pipe (130mm)	
	PF-T12S-6.3	12 Stud for 6.3" OD Pipe (160mm)	\$139.93
	PF-T12S-6.7	12 Stud for 6" Nominal Pipe (6" FRP)	\$139.95
C.			



Inverted Studded Series Penetration Fittings



4 Stud Series Inverted Penetration Fittings (Required 2" Hole Saw)



Part #	Description	List Price
PF-4S-1.1	4 Stud for 3/4" Nominal Pipe	
PF-4S-1.3	4 Stud for 1.3" OD Pipe (32mm Pipe)	\$37.31
PF-4S-1.4	4 Stud for 1" Nominal Pipe	
PF-4S-41	4 Stud for 1" Nominal pipe with insert for 3/4"	\$45.89
PF-4S-419	4 Stud for 1" Nominal Pipe with Inserts for 1/2" & 3/4"	\$54.47

8 Stud Series Inverted Penetration Fittings (Required 3 1/2" Hole Saw)

Part #	Description	List Price
PF-8S-1.5	8 Stud for 1.5" OD Pipe	
PF-8S-1.6	8 Stud for 1.6" OD Pipe (40mm)	
PF-8S-1.7	8 Stud for 1 1/4" Nominal Pipe	
PF-8S-1.9	8 Stud for 1 1/2" Nominal Pipe	
PF-8S-2.0	8 Stud for 2.0" OD Pipe (OPW C15A & 50mm)	
PF-8S-2.2	8 Stud for 2.2" OD Pipe1 3/4" APT XP Series 1 3/4"	
PF-8S-2.4	8 Stud for 2" Nominal (NOV 2" FRP)	\$46.64
PF-8S-2.5	8 Stud for 2.5" OD Pipe (OPW C20A & 63mm)	
PF-8S-2.7	8 Stud for 2.7" OD Pipe (NOV 2" LCX)	
PF-8S-2.9	8 Stud for 2 1/2" Nominal Pipe	
PF-8S-3.0	8 Stud for 3.0" OD Pipe (75mm)	
PF-8S-3.3	8 Stud for 3.3" OD Pipe	
PF-8S-3.6	8 Stud for 3" Nominal Pipe (3" FRP & 90mm)	

10 Stud Series Inverted Penetration Fittings (Required 5" Hole Saw)



Part #	Description	List Price
PF-10S-3.6	10 Stud for 3" Nominal Pipe (3" FRP & (90mm)	
PF-10S-3.8	10 Stud for 3.8" OD Pipe (3" LCX)	
PF-10S-4.4	10 Stud for 4.4" OD Pipe (110mm)	\$57.54
PF-10S-4.5	10 Stud for 4" Nominal Pipe (4" FRP)	ŞJ7.J4
PF-10S-4.8	10 Stud for 4.8" OD Pipe (4" LCX)	
PF-10S-5.0	10 stud for 5.0" OD (125mm)	

12 Stud Series Inverted Penetration Fittings (Required 6 7/8" Hole Saw)



Part #	Description	List Price
PF-12S-5.2	12 Stud for 5.2" OD Pipe (130mm)	
PF-12S-6.3	12 Stud for 6.3" OD Pipe (160mm)	\$139.93
PF-12S-6.7	12 Stud for 6" Nominal Pipe (6" FRP)	\$159.95



"Better by Design" Traditional Double Sided Penetration Fittings



4 Stud Series Penetration Fittings (Required 2" Hole Saw)

(2010)	Part #	Description	List Price
	PF-T4D9	4 Stud for 1/2" Nominal Pipe	
	PF-T4D-1.1	4 Stud for 3/4" Nominal Pipe	\$68.41
	PF-T4D-1.3	4 Stud for 1.3" OD Pipe (32mm Pipe)	Ş00.41
	PF-T4D-1.4	4 Stud for 1" Nominal Pipe	
	PF-T4D-41	4 Stud for 1" Nominal pipe with insert for 3/4"	\$85.57
	PF-T4D-419	4 Stud for 1" Nominal Pipe with Inserts for 1/2" & 3/4"	\$102.73

8 Stud Series Penetration Fittings (Required 3 1/2" Hole Saw)

	Part #	Description	List Price
	PF-T8D-1.5	8 Stud for 1.5" OD Pipe	
	PF-T8D-1.6	8 Stud for 1.6" OD Pipe (40mm)	
	PF-T8D-1.7	8 Stud for 1 1/4" Nominal Pipe	
	PF-T8D-1.9	8 Stud for 1 1/2" Nominal Pipe	
	PF-T8D-2.0	8 Stud for 2.0" OD Pipe (OPW C15A & 50mm)	
	PF-T8D-2.2	8 Stud for 2.2" OD Pipe (APT XP-175SC Pipe) 1 3/4"	
	PF-T8D-2.4	8 Stud for 2" Nominal (NOV 2" FRP)	\$80.86
	PF-T8D-2.5	8 Stud for 2.5" OD Pipe (OPW C20A & 63mm)	
	PF-T8D-2.7	8 Stud for 2.7" OD Pipe (NOV 2" LCX)	
	PF-T8D-2.9	8 Stud for 2 1/2" Nominal Pipe	
	PF-T8D-3.0	8 Stud for 3.0" OD Pipe (75mm)	
	PF-T8D-3.3	8 Stud for 3.3" OD Pipe	
	PF-T8D-3.6	8 Stud for 3" Nominal Pipe (3" FRP & 90mm)	

10 Stud Series Penetration Fittings (Required 5" Hole Saw)

Part #	Description	List Price
PF-T10D-3.6	10 Stud for 3" Nominal Pipe (3" FRP & (90mm)	
PF-T10D-3.8	10 Stud for 3.8" OD Pipe (3" LCX)	
 PF-T10D-4.4	10 Stud for 4.4" OD Pipe (110mm)	\$90.19
PF-T10D-4.5	10 Stud for 4" Nominal Pipe (4" FRP)	\$90.19
PF-T10D-4.8	10 Stud for 4.8" OD Pipe (4" LCX)	
 PF-T10D-5.0	10 stud for 5.0" OD (125mm)	

10 Stud Series Penetration Fittings with Integral Reducers for Corrugated Duct Systems (Required 5" Hole Saw)

	Part #	Description	List Price
	PF-T10D-4.8x2.0	10 Stud for Corr Duct over 2.0" OD Pipe	
Carl Carl	PF-T10D-4.8x2.5	11 Stud for Corr Duct over 2.5" OD Pipe	\$97.97
	PF-T10D-4.8x2.7	12 Stud for Corr Duct over 2.7" OD Pipe	

12 Stud Series Penetration Fittings (Required 6 7/8" Hole Saw)

and the	Part #	Description	List Price
	PF-T12D-5.2	12 Stud for 5.2" OD Pipe (130mm)	
	PF-T12D-6.3	12 Stud for 6.3" OD Pipe (160mm)	\$171.03
*****	PF-T12D-6.7	12 Stud for 6" Nominal Pipe (6" FRP)	\$171.05

12 Stud Series Penetration Fittings with Integral Reducers for 6" over 4" or 6" Corrugated Duct Systems (Required 5" Hole Saw)

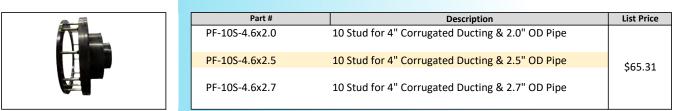
	Part #	Description	List Price
	PF-T12D-6.7x4.5	12 Stud for 6.7" OD Pipe over 4.5" OD Pipe	
		may be used for 6" corrugated ducting over all flex pipes	\$193.50
-		with appropriate inserts PF IA 4.5xX.X	

Studded Penetrations w/Integral Reducers



Inverted 10 Stud Penetration Fittings with Integral Step Down Reducers (Single Sided)

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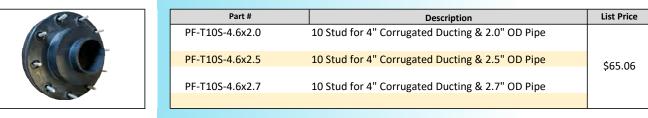


Inverted 12 Stud Penetration Fittings with Integral Step Down Reducers (Single Sided)



Part #	Description	List Price
PF-12S-6.7x4.5	12 Stud for 6" FRP over 4" FRP Air Test Optional	
		\$147.19
		\$147.19

Traditional 10 Stud Penetration Fittings with Integral Step Down Reducers (Single Sided)



Traditional 12 Stud Penetration Fittings with Integral Step Down Reducers (Single Sided)



	Part #	Description	List Price
PI	F-T12S-6.7x4.5	12 Stud for 6" FRP over 4" FRP Air Test Optional	
			6147 10
			\$147.19

Traditional 10 Stud Penetration Fittings with Integral Step Down Reducers (Double Sided)



Part #	Description	List Price
PF-T10D-4.6x2.0	10 Stud for 4" Corrugated Ducting & 2.0" OD Pipe	
PF-T10D-4.6x2.5	10 Stud for 4" Corrugated Ducting & 2.5" OD Pipe	\$97.97
PF-T10D-4.6x2.7	10 Stud for 4" Corrugated Ducting & 2.7" OD Pipe	75.764

Traditional 12 Stud Penetration Fittings with Integral Step Down Reducers (Double Sided)

Part #	Description	List Price
PF-T12D-6.7x4.5	12 Stud for 6" FRP over 4" FRP Air Test Optional	
		\$181.39
		\$101.59



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Terminating and Test Reducers 1" - 3.9"



Test Reducers for double wall pipes up to 1.8" Secondary OD

Part #	Description	List Price
PF-RA 1.4x1.4 ASS	Reducer for 1.2"-1.4" OD Pipes w/Air Test	
PF-RA 1.6x1.3 ASS	Reducer for Environ GFP 2100 w/Air Test	\$37.09
PF-RA 1.8x1.4 ASS	Reducer for APT P-100SC & Bravo Pans w/Air Test	

Test Reducers for double wall pipes up to 2.7" Secondary OD

	Part #	Description	List Price
	PF-RA 1.9x1.7 ASS	Reducer for 1 1/2" APT w/Air Test	
	PF-RA 2.0x1.7 ASS	Reducer for 1 1/2" APT XP-150SC w/Air Test	
A 1000	PF-RA 2.0x1.8 ASS	Reducer for 1 1/2" OPW & Western w/Air Test	
	PF-RA 2.0x2.0 ASS	Reducer for coupling 2" Applications w/Air Test	
1-1-1-1	PF-RA 2.5x1.5 ASS	Reducer for 2" FRP over OPW C10 w/Air Test	
	PF-RA 2.5x2.0 ASS	Reducer 63x50mm w/Air Test	\$41.74
	PF-RA 2.5x2.3 ASS	Reducer Western & Environ 2" Coax w/Air Test	
	PF-RA 2.5x2.5 ASS	Reducer for coupling 2.5" OD Applications w/Air Test	
	PF-RA 2.7x2.4 ASS	Reducer for 2" LCX Secondary to Primary w/Air Test	
	PF-RA 2.7x2.5 ASS	Reducer for 2" APT XP 200 SC w/Air Test	
	PF-RA 2.7x2.7 ASS	Reducer for coupling 2.7" OD Applications w/Air Test	
	PF-RA 2.7x2.7 ASS	•	

Test Reducers for double wall pipes up to 3.9" Secondary OD

	Part #	Description	List Price
	PF-RA 3.0x2.5 ASS	Reducer for 75x63mm & APT P-200SC w/ Air Test	
	PF-RA 3.6x1.1 ASS	Reducer for 3" FRP to 1.1" OD Pipes w/Air Test	
	PF-RA 3.6x1.4 ASS	Reducer for 3" FRP to 1.4" OD Pipes w/Air Test	
-	PF-RA 3.6x1.8 ASS	Reducer for 3" FRP to 1.8" OD Pipes w/Air Test	
	PF-RA 3.6x1.9 ASS	Reducer for 3" FRP to 1.9" OD Pipes w/Air Test	\$51.87
	PF-RA 3.6x2.0 ASS	Reducer for 3" FRP to 2.0" OD Pipes w/Air Test	\$51.87
	PF-RA 3.6x2.4 ASS	Reducer for 3" FRP to 2" FRP Pipes w/Air Test	
	PF-RA 3.6x2.7 ASS	Reducer for 3" FRP to 2.7" OD Pipes w/Air Test	
	PF-RA 3.6x3.0 ASS	Reducer for 3" FRP to 3.0" OD Pipes w/Air Test	
	PF-RA 3.6x3.6 ASS	Reducer for coupling 3.5" OD Pipes w/Air Test	
	PF-RA 3.8x3.6 ASS	Reducer for 3" LCX Secondary to Primary w/Air Test	
V-ht -	PF-RA 3.9x1.4 ASS	Reducer Custom 3" to 1.4" OD Pipes w/Air Test	
	PF-RA 3.9x2.0 ASS	Reducer Custom 3" to 2.0" OD Pipes w/Air Test	
	PF-RA 3.9x2.4 ASS	Reducer Custom 3" to 2.4" OD Pipes w/Air Test	
	PF-RA 3.9x2.4 ASSL	Long Version of above	\$53.90
	PF-RA 3.9x2.5 ASS	Reducer Custom 3" to 2" FRP Pipe w/Air Test	\$55.90
	PF-RA 3.9x2.7 ASS	Reducer Custom 3" to 2" LCX Pipes w/Air Test	
	PF-RA 3.9x3.0 ASS	Reducer Custom 3" to 3" OD Pipes w/Air Test	
	PF-RA 3.9x3.9 ASS	Reducer for coupling 3.9" OD Pipes w/Air Test	
	PF-RA 3.9x3.9 ASSL	Long Version of above	



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Terminating and Test Reducers 4"-8"



List Price

\$55.97

Test Reducers for 4" nominal double wall pipes

 Part #	Description	List Price
 PF-RA 4.5x1.1 ASS	Reducer for 4" FRP to 3/4" Nominal Pipes w/Air Test	
PF-RA 4.5x1.4 ASS	Reducer for 4" FRP to 1" Nominal Pipes w/Air Test	
PF-RA 4.5x1.8 ASS	Reducer for 4" FRP to 1.8" OD Pipes w/Air Test	
PF-RA 4.5x1.9 ASS	Reducer for 4" FRP to 1.9" OD Pipes w/Air Test	
PF-RA 4.5x2.0 ASS	Reducer for 4" FRP to 2.0" OD Pipes w/Air Test	¢52.00
PF-RA 4.5x2.5 ASS	Reducer for 4" FRP to 2.5" OD Pipes w/Air Test	\$53.90
PF-RA 4.5x2.7 ASS	Reducer for 4" FRP to 2.7" OD Pipes w/Air Test	
PF-RA 4.5x3.0 ASS	Reducer for 4" FRP to 3.0" OD Pipes w/Air Test	
PF-RA 4.5x3.6 ASS	Reducer for 4" FRP to 3" FRP Pipes w/Air Test	
PF-RA 4.5x4.5 ASS	Reducer for 4" for coupling 4" Pipes w/Air Test	

Test Reducers for 4.8" OD, 5.0" OD & 5.6" OD double wall pipes

Part #	Description	List Price
PF-RA 4.8x4.5 ASS	Reducer for 4" LCX w/Air Test	
PF-RA 5.0x2.0 ASS	Reducer for 125mm to 2" OD Pipe w/Air Test	
PF-RA 5.0x2.5 ASS	Reducer for 125mm to 2.5" OD Pipe w/Air Test	
PF-RA 5.0x2.7 ASS	Reducer for 125mm to 2.7" OD Pipe w/Air Test	
PF-RA 5.0x3.0 ASS	Reducer for 125mm to 3.0" OD Pipe w/Air Test	¢52.00
PF-RA 5.0x3.6 ASS	Reducer for 125mm to 90mm Pipe w/Air Test	\$53.90
PF-RA 5.0x4.4 ASS	Reducer for 125mm to 110mm Pipe w/Air Test	
PF-RA 5.0x4.5 ASS	Reducer for 125mm to 4" nominal Pipe w/Air Test	
PF-RA 5.6x3.6 ASS	Reducer for 5" nominal to 3" FRP Pipe w/Air Test	
PF-RA 5.6x4.5 ASS	Reducer for 5" nominal to 4" FRP Pipe w/Air Test	

Test Reducers for 6.3" & 6.7" double wall pipes

	Part #	Description
(h)	PF-RA 6.3x2.5 ASS	Reducer for 160mm to 63mm pipes w/ Air Test
	PF-RA 6.3x3.6 ASS	Reducer for 160mm to 90mm Pipes w/Air Test
	PF-RA 6.3x4.5 ASS	Reducer for 160mm to 4" nominal Pipes w/Air Test
	PF-RA 6.3x5.0 ASS	Reducer for 160mm to 125mm Pipes w/Air Test
	PF-RA 6.7x2.5 ASS	Reducer for 6" FRP to 63mm Pipes w/Air Test
	PF-RA 6.7x3.6 ASS	Reducer for 6" FRP to 3" FRP Pipes w/Air Test
	PF-RA 6.7x4.5 ASS	Reducer for 6" FRP to 4" FRP Pipes w/Air Test
	PF-RA 6.7x4.8 ASS	Reducer for 6" FRP to 4" LCX Pipes w/Air Test
	PF-RA 6.7x5.0 ASS	Reducer for 6" FRP to 125mm Pipes w/Air Test
	PF-RA 6.7x6.7 ASS	Reducer for coupling 6" nominal Pipes w/Air Test

Test Reducers for 8" nominal double wall pipes

and the second s	PF-RA 8x4 ASS	Reducer for 8" nominal to 4" nominal Pipe w/Air Test	
100	PF-RA 8x6 ASS	Reducer for 8" nominal to 6" nominal Pipe w/Air Test	
			\$180.00

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Part #

PF-RA 4.5x1.4x1.4 ASS

PF-RA 4.9x1.9x1.4 ASS

Miscellaneous Reducers



List Price

\$100.03

\$107.80

High Pressure Reducers with Stainless Test Valve (Tests to 35 PSIG)

Part #	Description	List Price
Part #	Description	List Price
PF-RA 2.7x2.4HP ASS	High Pressure Test Reducer for Ameron 2" LCX	\$91.32
PF-RA 3.6x2.4HP ASS	High Pressure Test Reducer 3" FRP to 2"	\$94.32
PF-RA 3.8x3.6HP ASS	High Pressure Test Reducer for Ameron 3" LCX	Ş94.32
PF-RA 4.8x4.5HP ASS	High Pressure Test Reducer for Ameron 4" LCX	\$96.91

3" FRP Dual Port Test Reducers



Part #	Description	List Price
PF-RA 3.6x1.5x1.5 ASS	3" FRP to two 1.5" OD Pipes (Typically OPW C10)	\$109.13
	Includes Stainless Air Test Valve	\$109.13

Description

4" FRP to two 1" nominal Pipes (Typically OPW C10)

4" FRP to one 11/2" and one 1" nominal pipes

Includes Stainless Air Test Valve

Includes Stainless Air Test Valve

4" FRP Dual Port Test Reducers



Three Step Reducers

Part #	Description	List Price
PF-RA 4.5x3.5x2.7 ASS	Three Step Reducer 4" FRP to 3" FRP to 2.7"	\$119.97
	Includes Stainless Air Test Valve	\$119.97
PF-RA 5.6x4.5x3.6 ASS	Three Step Reducer 5" pipe to 4" Corr Duct to 3.5" OD	¢147.00
	Includes Stainless Air Test Valve	\$147.00



Inserts 1.4" Through 3.6"



Inserts 1.4" (1" Nominal Series)



Part #	Description	List Price
PF-IA 1.4x.375	Insert 1.4" (1" Nominal) to .375"	
PF-IA 1.4x.7	Insert 1.4" (1" Nominal) to .7"	
PF-IA-1.4x.8	Insert 1.4" (1" Nominal) to .8"	\$8.58
PF-IA-1.4x.9	Insert 1.4" (1" Nominal) to .9"	
PF-IA-1.4x1.1	Insert 1.4" (1" Nominal) to 1.1"	
PF-IA-1.4x1.2	Insert 1.4" (1" Nominal) to 1.2"	

Inserts 2.4" & 2.5" (2" Nominal Series)

List Price	Description	Part #
	Insert 2.4" (2" Nominal) to 1.6"	PF-IA-2.4x1.6
	Insert 2.4" (2" Nominal) to 1.7"	PF-IA-2.4x1.7
\$17.77	Insert 2.4" (2" Nominal) to 1.8"	PF-IA-2.4x1.8
	Insert 2.4" (2" Nominal) to 1.9"	PF-IA-2.4x1.9
	Insert 2.4" (2" Nominal) to 2.0"	PF-IA-2.4x2.0
·		
	Insert 2.5" (2" Nominal) to 1.1"	PF-IA 2.5x1.1
	Insert 2.5" (2" Nominal) to 1.4"	PF-IA-2.5x1.4
	Insert 2.5" (2" Nominal) to 1.6"	PF-IA-2.5x1.6
	Insert 2.5" (2" Nominal) to 1.7"	PF-IA-2.5x1.7
\$22.06	Insert 2.5" (2" Nominal) to 1.8"	PF-IA-2.5x1.8
	Insert 2.5" (2" Nominal) to 1.9"	PF-IA-2.5x1.9
	Insert 2.5" (2" Nominal) to 2.0"	PF-IA-2.5x2.0
	Insert 2.5" (2" Nominal) to 2.2"	PF-IA-2.5x2.2
	Insert 2.5" (2" Nominal) to 2.3"	PF-IA-2.5x2.3

Inserts 3.0" (75mm Nominal Series)

Part #	Description	List Price
PF-IA 3.0x1.4	Insert 3.0" (75mm Nominal) to 1.4"	
PF-IA 3.0x2.5	Insert 3.0" (75mm Nominal) to 2.5"	\$23.28
PF-IA-3.0x2.7	Insert 3.0" (75mm Nominal) to 2.7"	

Inserts 3.6" (3" Nominal Series)



Part #	Description	List Price
PF-IA-3.6x1.1	Insert 3.6" (3" Nominal) to 1.1"	
PF-IA-3.6x1.4	Insert 3.6" (3" Nominal) to 1.4"	
PF-IA-3.6x1.5x1.5	Insert 3.6" (3" Nominal) to 1.5x1.5"	
PF-IA-3.6x1.6	Insert 3.6" (3" Nominal) to 1.6"	
PF-IA-3.6x1.7	Insert 3.6" (3" Nominal) to 1.7"	
PF-IA-3.6x1.8	Insert 3.6" (3" Nominal) to 1.8"	
PF-IA-3.6x1.9	Insert 3.6" (3" Nominal) to 1.9"	
PF-IA-3.6x2.0	Insert 3.6" (3" Nominal) to 2.0"	\$40.42
PF-IA-3.6x2.0 Hex	Insert 3.6" (3" Nominal) to 2.0" Hex Face to Face"	Ş40.4Z
PF-IA-3.6x2.4	Insert 3.6" (3" Nominal) to 2.4"	
PF-IA-3.6x2.5	Insert 3.6" (3" Nominal) to 2.5"	
PF-IA-3.6x2.5 Hex	Insert 3.6" (3" Nominal) to 2.5" Hex Face to Face	
PF-IA-3.6x2.7	Insert 3.6" (3" Nominal) to 2.7"	
PF-IA-3.6x2.9	Insert 3.6" (3" Nominal) to 2.9"	
PF-IA-3.6x3.0	Insert 3.6" (3" Nominal) to 3.0"	
PF-IA-3.6x3.2	Insert 3.6" (3" Nominal) to 3.2"	



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PF-IA 6.7x5.2

PF-IA 6.7x6.0

Inserts 4.5" Through 6.7"



Inserts 4.5" (4" Nominal Series)

	Part #		Lint Duine
	FP-IA 4.5x1.4	Description	List Price
		Insert 4.5" (4" Nominal) to 1.4"	
	PF-IA 4.5x2.0	Insert 4.5" (4" Nominal) to 2.0"	
	PF-IA 4.5x2.2	Insert 4.5" (4" Nominal) to 2.2"	
	PF-IA 4.5x2.4	Insert 4.5" (4" Nominal) to 2.4"	
	PF-IA 4.5x2.5	Insert 4.5" (4" Nominal) to 2.5"	
	PF-IA 4.5x2.7	Insert 4.5" (4" Nominal) to 2.7"	\$49.00
	PF-IA 4.5x2.9	Insert 4.5" (4" Nominal) to 2.9"	Ş45.00
	PF-IA 4.5x3.0	Insert 4.5" (4" Nominal) to 3.0"	
	PF-IA 4.5x3.6	Insert 4.5" (4" Nominal) to 3.6"	
	PF-IA 4.5x3.8	Insert 4.5" (4" Nominal) to 3.8"	
	PF-IA 4.5x3.9	Insert 4.5" (4" Nominal) to 3.9"	
	PF-IA 4.5x4.0	Insert 4.5" (4" Nominal) to 4.0"	
		Insert 4.8" (4" LCX) to 3.6"	
	Part # PF-IA 4.8x3.6	Description	List Price
	PF-IA 4.8x3.8	Insert 4.8" (4" LCX) to 3.8"	\$52.68
	11 0/ 4.0/03.0		\$52.00
	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5"	\$32.08
V			\$32.08
mm Series)			Ş52.08
nm Series)			\$32.08
ries)			List Price
mm Series)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5"	
eries)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5" Description	
Series)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5"	List Price
L25mm Series)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5" Description Insert 5.0" (125mml) to 3.6" Insert 5.0" (125mml) to 3.9"	List Price
25mm Series)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5" Description Insert 5.0" (125mml) to 3.6" Insert 5.0" (125mml) to 3.9"	List Price
)	PF-IA 4.8x4.5	Insert 4.8" (4" LCX) to 4.5" Description Insert 5.0" (125mml) to 3.6" Insert 5.0" (125mml) to 3.9" Insert 5.0" (125mml) to 4.5"	List Price
)	PF-IA 4.8x4.5 PF-IA 5.0x3.6 PF-IA 5.0x3.9 PF-IA 5.0x4.5 Part #	Insert 4.8" (4" LCX) to 4.5"	List Price \$56.36
)	PF-IA 4.8x4.5 PF-IA 5.0x3.6 PF-IA 5.0x3.9 PF-IA 5.0x4.5 PF-IA 6.7x3.6	Insert 4.8" (4" LCX) to 4.5"	List Price \$56.36
	PF-IA 4.8x4.5 PF-IA 5.0x3.6 PF-IA 5.0x3.9 PF-IA 5.0x4.5 PF-IA 6.7x3.6 PF-IA 6.7x4.0	Insert 4.8" (4" LCX) to 4.5"	List Price \$56.36
C	PF-IA 4.8x4.5 PF-IA 5.0x3.6 PF-IA 5.0x3.9 PF-IA 5.0x4.5 PF-IA 6.7x3.6	Insert 4.8" (4" LCX) to 4.5"	List Price \$56.36

Insert 6.7" (6" Nominal) to 5.2"

Insert 6.7" (6" Nominal) to 6.0"

M Be	tter by Design)) / Caps & Plugs	Contact Lis
Cap for Closing 2" Nominal	& 3" Nominal Pipe		
	Part #	Description	List Prie
e	PF-IA 2.4xCap	Molded Cap for 2" Nominal Pipe	\$19.6
	PF-IA 3.6xCap	Molded Cap for 3" Nominal Pipe	\$39.2
Cap for Closing 4" & 5" No	minal Pipe		I
	Part #	Description	List Prie
	PF-IA 4.5xCap	Molded Cap for 4" Nominal Pipe	\$49.0
	PF-IA 5.6xCap	Molded Cap for 5" Nominal Pipe	\$66.7
or Closing 6" Nominal	Pipe		
	Part #	Description	List Prie
	PF-IA 6.7xCap	Molded Cap for 6" Nominal Pipe	\$78.4
ninate Boots, S	leeves and Other 1" Nominal A	Applications	
	Part #	Description	List Prie
	PF-IA 1.4xPlug PF-IAI 1.5xPlug	Molded Plug for 1" Nominal Pipe Molded Plug for 1.5" Sleeves	\$12.2
rminate Boots, S	leeves and Other 2" Nominal <i>I</i>	Applications	
	Part #	Description	List Prie
		· ·	
	PF-IA 2.4xPlug PF-IA 2.5xPlug	Molded Plug for 2" Nominal Pipe Molded Plug for 2.5" Sleeves	\$29.4
minate Boots, S	leeves and Other 75 mm & 3"	Nominal Applications	
	Part #	Description	List Prie
	PF-IA 3.0xPlug	Molded Plug for 75 mm Applications	\$29.4
	PF-IA 3.6xPlug	Molded Plug for 3" Nominal Pipe	\$41.6
	1 —		
o Terminate Boots, Si	leeves and Other 4" Nominal A	Applications	
o Terminate Boots, Si	leeves and Other 4" Nominal A	Applications Description	List Prie
g to Terminate Boots, Si			
	Part #	Description Molded Plug for 4" Nominal Pipe	
	Part # PF-IA 4.5xPlug	Description Molded Plug for 4" Nominal Pipe & 6" Nominal Applications	\$55.1
	Part # PF-IA 4.5xPlug	Description Molded Plug for 4" Nominal Pipe	List Prie \$55.1 List Prie



Accessories



Air Test Assemblies

Part #	Description	List Price
PF-Xover-1ft	Cross Over Assemblies w/Stainless components-1 Ft	\$21.74
PF-Xover-2ft	Cross Over Assemblies w/Stainless components-2 Ft	\$23.33
PF-Xover-3ft	Cross Over Assemblies w/Stainless components-3 Ft	\$27.49
PF-Xover-6ft	Cross Over Assemblies w/Stainless components-6 Ft	\$31.63
PF-Xover-Test	Test assembly for Double Wall interstices	\$28.18
PF-XT-Kit	Kit for surface mtg access for Air Test	\$33.88

Stainless Air Test Valves



Description	List Price
Push in Stainless air valve with cap and Nut	
Barbed Style Stainless air valve with cap and Nut	
1/8" MPT Threaded Style Stainless w/cap	\$18.84
BICYCIE FITTING MATES TO AV-1, AV-2 & AV-4	
	Push in Stainless air valve with cap and Nut Barbed Style Stainless air valve with cap and Nut

Bonder for Threaded and Studded Penetration fittings



Part #	Description	List Price
CH-DBB V 50ml	Methyl methacrylate Bonder for threaded	
	an Studded Penetration fittings w/ one static mixer	\$42.28
CH-DSM-III	Additional Static Mixers for CH-DBB V	\$8.14

Cleaner for Threaded and Studded Penetration fittings

CH-DBC II Diversified Bulkhead Cleaner 12 oz Aerosol used with all Threaded and Studded Penetrations \$20.36		Part #	Description	List Price
used with all Threaded and Studded Penetrations \$20.36	- I	CH-DBC II	Diversified Bulkhead Cleaner 12 oz Aerosol	
			used with all Threaded and Studded Penetrations	\$20.36

Applicator Gun for CH-DBB V



Part #	Description	List Price
CH-DAG-III	Applicator gun for 50 ml cartridge sets	\$142.49
CH-DAG-III-M	Metal Applicator gun for 50 ml cartridge sets	\$192.50
	CH-DAG-III	CH-DAG-III Applicator gun for 50 ml cartridge sets



Sanding Hole Saws- Carbide Tipped



Sanding Hole Saws - Carbide Tipped for Fiberglass

Part #	Description	List Price
PF-SHS-1.75x2.8	Sanding Hole Saw for 3/4 & 1" Bonded Electrical Conduits SW Sumps	\$232.28
PF-SHS-2x2.8	Sanding Hole Saw for 3/4 & 1" Bonded Electrical Conduits DW Sumps	\$256.61
PF-SHS-2x3	Sanding Hole Saw for B2 Series Penetrations SW Sumps	\$261.13
PF-SHS-3.5x5.2	Sanding Hole Saw for B3.5 Series Penetrations SW Sumps	\$407.56
PF-SHS-5x6.7	Sanding Hole Saw for B5 Series Penetrations SW Sumps	\$565.85
PF-SHS-6x7.6	Sanding Hole Saw for B6 Series Penetrations SW Sumps	\$587.08
PF-SHS-2.25x4.5	Sanding Hole Saw for 4 Stud Penetrations SW Sumps	\$291.71
PF-SHS-4x6.4	Sanding Hole Saw for 8 Stud Penetrations SW Sumps	\$466.05
PF-SHS-5.5x8	Sanding Hole Saw for 10 Stud Penetrations SW Sumps	\$509.88
PF-SHS-6.875x9.3	Sanding Hole Saw for 12 Stud Penetrations SW Sumps	\$650.00
PF-SHS-4.5x6.38	Sanding Hole Saw for FGT & FGC Series Fiberglass Penetrations SW Sumps	\$467.33
PF-SHS-5x6.85	Sanding Hole Saw for Omegaflex Series Penetrations SW Sumps	\$566.57
PF-SHS-5x6.38	Sanding Hole Saw for FGT & FGC Series Fiberglass Penetrations DW Sumps	\$566.57
PF-FGC-5.5x6.85	Compact Fiberglass Penetration for Omegaflex Penetrations DW Sumps	\$495.37

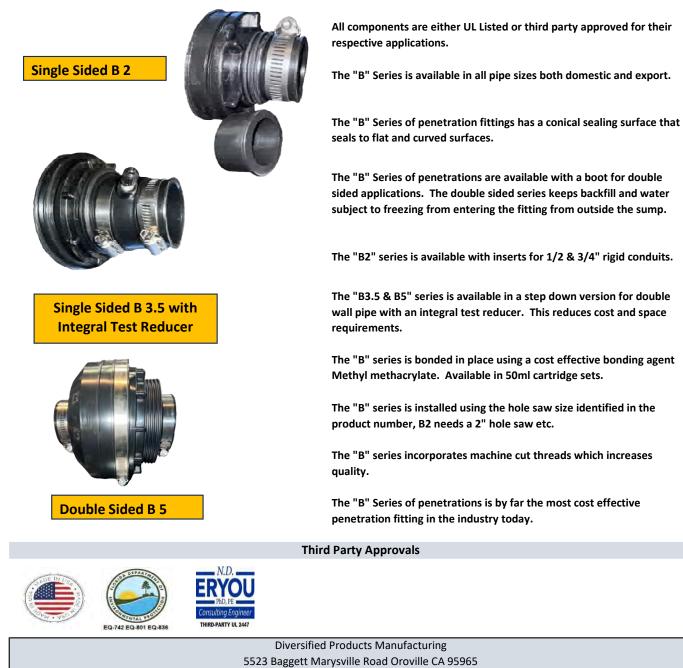




B Series Threaded Penetration Fittings

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Penetration fittings have been an unwanted necessity due to failures of early material selections. Diversified Products Mfg. Inc sells over 20,000 of this series of penetration fittings annually for the past 20 years. These are high quality flexible penetrations with a proven record since 1993.



530-534-3966 - www.dpm-co.com - Order Entry Email: sales@dpm-llc.com

					F	E	
Part Number	A	B	C	D	E	F	G
PF-B2D-1.1	1.100	N/A	1.750	3.025	2.925	N/A	2.650
PF-B2D-1.2	1.200	N/A	1.750	3.025	2.925	N/A	2.650
PF-B2D-1.3	1.300	N/A	1.750	3.025	2.925	N/A	2.650
PF-B2D-1.4	1.450	N/A	1.750	3.025	2.925	N/A	2.650
PF-B2D-41	1.450/1.100	N/A	1.750	3.025	2.925	N/A	2.650
PF-B3.5D-1.5	1.500	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-1.6	1.600	N/A	1.700	5.025	4.500	N/A	3,400
PF-B3.5D-1.6x1.3	1.600	1.300	N/A	5.025	4.500	3,070	3.400
PF-B3.5D-1.7	1.700	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-1.9	1.900	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-2.0	2.000	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-2.2	2.200	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-2.4	2.400	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-2.5	2.500	N/A	1.700	5.025	4.500	N/A	3.400
PF-B3.5D-2.5x2.0	2.500	2.000	N/A	5.025	4.500	3.070	3.400
PF-B3.5D-2.7	2.700	N/A	1.700	5.025	4.500	3.070	3.400
PF-B3.5D-2.7x2.4	2.700	2.400	N/A	5.025	4.500	3.070	3.400
PF-B5D-2.7	2.700	N/A	1.800	6.500	6.150	N/A	N/A
PF-B5D-2.7x2.4	2.700	2.4	N/A	6.500	6.150	3.650	N/A
PF-B5D-3.0	3.000	N/A	1.800	6.500	6.150	N/A	N/A
PF-B5D-3.0x2.5	3.000	2.5	N/A	6.500	6.150	3.650	N/A
PF-B5D-3.6	3.600	N/A	1.800	6.500	6.150	N/A	N/A
PF-B5D-3.6x2.4	3.600	2.4	N/A	6.500	6.150	3.650	N/A
PF-B5D-3.8	3.800	N/A	1.800	6.500	6.150	N/A	N/A
PF-B5D-3.8x3.6	3.800	3.6	N/A	6.500	6.150	3.650	N/A
PF-B6D-3.8	3.800	N/A	2.700	7.500	7.400	N/A	N/A
PF-B6D-4.4	4.380	N/A	2.700	7.500	7.400	N/A	N/A
PF-B6D-4.5	4.550	N/A	2.700	7.500	7.400	N/A	N/A
PF-B6D-4.8	4.780	N/A	2.700	7.500	7.400	N/A	N/A
PF-B6D-5.0	5.050	N/A	2.700	7.500	7.400	N/A	N/A

DTS-PF-B Series Threaded DS-1.1

Note: See Chemicals Wizard on page 76 for required Bonder & Cleaner

Hole Saws follow the B Number Thus a B5 requires a 5" Hole Saw.





Studded Series Penetration Fittings

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Penetration fittings have been an unwanted necessity due to failures of early material selections. Diversified Products Mfg. Inc manufactures studded penetration for 1/2" through 6" pipe. Fuel rated materials developed in the last few years assure high quality and long life.



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

The Studded Series is available in all pipe sizes both domestic and

The Studded Series of penetration fittings has a flexible back and front plates allowing these penetrations to easily seal on flat or curved surfaces.

The Studded Series of penetrations are available with a boot for double sided applications. The double sided series keeps backfill and water subject to freezing from entering the fitting from outside the

The Studded series is available in a step down version for corrugated ducted applications.

The Studded series is bonded in place using a cost effective bonder Methyl methacrylate. Available in 50ml cartridge sets.

The studded series has molded in groves for increasing bonding surface area.

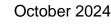
The Studded Series features a stress relieving roll to accommodate off angle pipe and conduit installations.

The inverted series allows installation of the stud nuts from outside the sump reducing installation time. These penetrations include stud nuts that cover the stainless studs leaving no exposed metal in the soils.

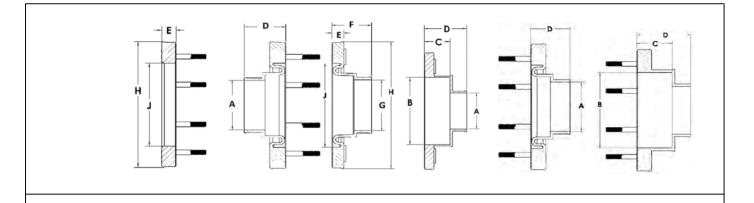
The Studded Series of penetrations are provided with stud seals, eliminating a leak path down the studs.

The Studded Series of penetrations is the most cost effective studded penetration fitting in the industry today.

Third Party Approvals



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



Product Number	А	В	с	D	Е	Ε'	F	G	н
PF-4x-1.1	1.200	N/A	N/A	1.625	0.500	0.250	1.625	4.467	3.282
PF-4x-1.3	1.300	N/A	N/A	1.625	0.500	0.250	1.625	4.467	3.282
PF-4x-1.4	1.390	N/A	N/A	1.625	0.500	0.250	1.625	4.467	3.282
PF-4x-1.41	1.390**	N/A	N/A	1.625	0.500	0.250	1.625	4.467	3.282
PF-4x-1.419	1.390***	N/A	N/A	1.625	0.500	0.250	1.625	4.467	3.282
PF-8x-1.5	1.500	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-1.6	1.625	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-1.7	1.725	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-1.9	1.950	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-2.0	2.050	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-2.2	2.190	N/A	N/A	1.625	0.500	0.250	1.625	6.375	5.282
PF-8x-2.4	2.450	N/A	N/A	1.625	0.500	0.250	1.550	6.375	5.282
PF-8x-2.5	2.550	N/A	N/A	1.625	0.500	0.250	1.750	6.375	5.282
PF-8x-2.7	2.725	N/A	N/A	1.625	0.500	0.250	1.750	6.375	5.282
PF-8x-2.9	2.900	N/A	N/A	1.625	0.500	0.250	1.750	6.375	5.282
PF-8x-3.0	3.030	N/A	N/A	1.625	0.500	0.250	1.750	6.375	5.282
PF-8x-3.3	3.300	N/A	N/A	1.625	0.500	0.250	1.800	6.375	5.282
PF-8x-3.6	3.600	N/A	N/A	1.625	0.500	0.250	1.800	6.375	5.282
PF-10x-3.6	3.600	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-10x-3.8	3.800	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-10x-4.4	4.380	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-10x-4.5	4.550	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-10x-4.8	4.780	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-10x-5.0	5.050	N/A	N/A	1.660	0.500	0.250	1.698	8.000	6.875
PF-12x-5.2	5.168	N/A	N/A	1.780	0.500	0.250	2.150	9.250	8.062
PF-12x-6.3	6.350	N/A	N/A	1.780	0.500	0.250	2.150	9.250	8.062
PF-12x-6.7	6.675	N/A	N/A	1.780	0.500	0.250	2.000	9.250	8.062
PF-10x-4.6x2.0	2.050	4.650	1.640	2.380	0.500	0.250	1.698	8.000	6.875
PF-10x-4.6x2.5	2.550	4.650	1.640	2.380	0.500	0.250	1.698	8.000	6.875
PF-10x-4.6x2.7	2.765	4.650	1.640	2.380	0.500	0.250	1.698	8.000	6.875
PF-12x-6.7x4.5	4.600	6.760	2.500	3.500	0.500	0.250	2.000	9.250	8.062
_									
Hole Saw	Size		Number			n Center to (
4 Stud	2 1/4"	PF-SHS-2			4 Stud	3.2			
8 Stud	4"	PF-SHS-4			8 Stud	5.2			
10 Stud	5 1/2"	PF-SHS-			10 Stud	6.8			
12 Stud	6 7/8"	PF-SHS-	6.875x9.3		12 Stud	8.0	0		

Note: See Chemicals Wizard on page 76 for required Bonder & Cleaner

* Product numbers are consistent for PF-S, PF-T-S, PF-D and PF-F Series where 4, 8, 10 & 12 Stud patterns are used





RA Series & Test Reducers for Double Wall Pipe

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. The RA Series of Test Reducers are available for all known double wall pipe both domestic and export. These reducers are manufactured using the latest fuel rated materials for both liquid and vapor phase applications.



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

This family of terminating & test Reducers are designed to close the interstice of double wall piping systems.

Products available for double wall pipe from all manufacturers including metric sizes

Includes reducer, stainless air valve and stainless band clamps.

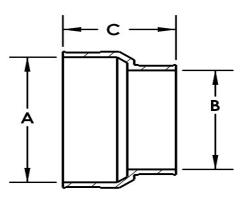
Standard worm gear clamps provide effective test pressures up to 15 PSIG. "T" handle clamps are available for testing in excess of 35 PSIG.



Third Party Approvals

Diversified Products Manufacturing 5523 Baggett Marysville Road Oroville CA 95965

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Note: Product Numbers below are for reducers without test valves. To add Test Valves add suffix -ASS

Product #	Α	В	С	Product #	Α	В	С
PF-RA 1.4x1.4	1.39	1.39	2.40	PF-RA 3.9x1.4	3.95	1.39	2.30
PF-RA 1.6x1.3	1.63	1.27	2.00	PF-RA 3.9x2.0	3.95	2.42	2.30
PF-RA 1.8x1.4	1.80	1.39	2.10	PF-RA 3.9x2.4	3.95	2.46	5.40
				PF-RA 3.9x2.4L	3.95	2.50	2.72
PF-RA 1.9x1.7	1.91	1.70	1.95	PF-RA 3.9x3.0	3.95	3.03	2.30
				PF-RA 3.9x3.9	3.95	3.95	2.30
PF-RA 2.0x1.8	2.07	1.86	2.83				
PF-RA 2.0x2.0	2.07	2.07	2.83	PF-RA 4.5x1.1	4.55	0.91	2.80
				PF-RA 4.5x1.4	4.55	1.39	2.80
PF-RA 2.4x1.1	2.45	1.20	1.93	PF-RA 4.5x1.8	4.55	1.82	2.80
PF-RA 2.4x1.4	2.45	1.39	1.93	PF-RA 4.5x1.9	4.55	1.95	2.80
PF-RA 2.4x1.5	2.45	1.52	1.93	PF-RA 4.5x2.0	4.55	1.99	2.80
PF-RA 2.4x2.0	2.45	2.05	1.93	PF-RA 4.5x2.5	4.55	2.55	2.80
				PF-RA 4.5x2.7	4.55	2.73	2.80
PF-RA 2.5x2.0	2.55	2.07	2.90	PF-RA 4.5x3.0	4.55	3.03	2.80
PF-RA 2.5x2.3	2.55	2.38	2.90	PF-RA 4.5x3.6	4.55	3.60	2.80
PF-RA 2.5x2.5	2.55	2.55	2.90	PF-RA 4.5x4.5	4.55	4.55	2.80
PF-RA 2.7x2.4	2.73	2.43	3.00	PF-RA 4.8x4.5	4.85	4.55	3.05
PF-RA 2.7x2.5	2.73	2.50	1.97	PF-RA 5.0x2.0	5.05	3.60	3.40
PF-RA 2.7x2.7	2.73	2.73	3.00	PF-RA 5.0x2.5	5.05	4.45	3.40
				PF-RA 5.0x2.7	5.05	2.73	3.40
PF-RA 3.0x2.5	3.03	2.55	2.00	PF-RA 5.0x3.0	5.05	3.03	3.40
				PF-RA 5.0x3.6	5.05	3.65	3.40
PF-RA 3.6x1.1	3.65	1.20	3.10	PF-RA 5.0x4.4	5.05	4.45	3.40
PF-RA 3.6x1.4	3.65	1.39	3.10	PF-RA 5.0x4.5	5.05	4.55	3.40
PF-RA 3.6x1.8	3.65	1.86	3.10	PF-RA 5.6x3.6	5.75	3.65	3.81
PF-RA 3.6x1.9	3.65	1.95	3.10	PF-RA 5.6x4.5	5.75	4.55	3.81
PF-RA 3.6x2.0	3.65	2.07	3.10				
PF-RA 3.6x2.5	3.65	2.57	3.10	PF-RA 6.3x2.5	6.39	2.49	3.81
PF-RA 3.6x2.7	3.65	2.77	3.10	PF-RA 6.3x3.6	6.39	2.90	3.81
PF-RA 3.6x3.0	3.65	3.03	3.10	PF-RA 6.3x4.5	6.39	3.60	3.81
PF-RA 3.6x3.6	3.65	3.60	3.10	PF-RA 6.3x5.0	6.39	5.05	3.81
PF-RA 3.8x3.6	3.85	3.60	3.60	PF-RA 6.7x2.5	6.68	3.60	3.43
				PF-RA 6.7x3.6	6.68	3.65	3.43
				PF-RA 6.7x4.5	6.68	4.55	3.43
				PF-RA 6.7x4.8	6.68	4.95	3.43
				PF-RA 6.7x5.0	6.68	5.05	3.43
				PF-RA 6.7x6.7	6.68	6.67	3.43

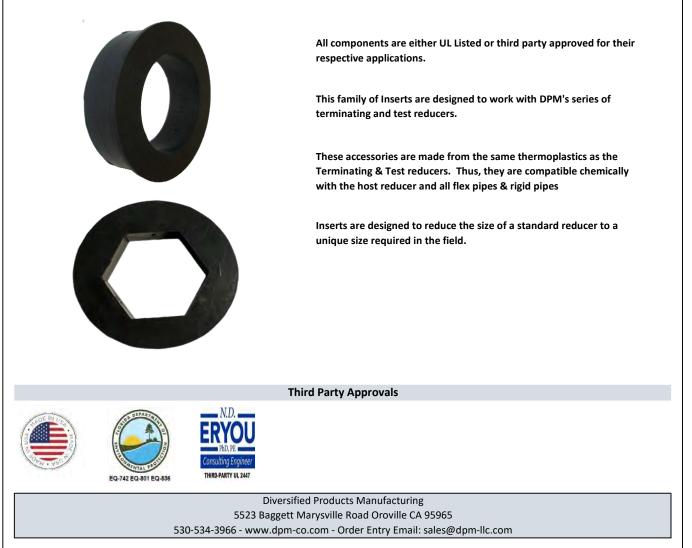


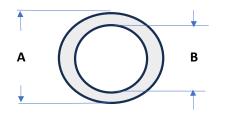


IA Series Inserts

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Inserts allow common sizes to be reduced to a multiple of smaller less common sizes. Diversified has develop a complete line of fuel rated inserts from standard sizes to small copper sizes. Larger inserts are available for every standard pipe size through 6" nominal that allows multiple reductions in size. See the table attached.





Dimensional Data

Product #	Α	В		Α	В
PF-IA 1.4x.375	1.39	TBD	PF-IA 3.6x2.4	3.5	2.425
PF-IA 1.4x.7	1.39	TBD	PF-IA 3.6x2.5	3.5	2.55
PF-IA 1.4x.8	1.39	0.77	PF-IA 3.6x2.5 Hex	3.5	2.5
PF-IA 1.4x.9	1.39	0.91	PF-IA 3.6x2.7	3.5	2.725
PF-IA 1.4x1.1	1.39	1.20	PF-IA 3.6x2.9	3.5	2.9
PF-IA 1.4x1.2	1.39	1.22	PF-IA 3.6x3.0	3.5	3.03
			PF-IA 3.6x3.2	3.5	3.25
PF-IA 2.4x.9	2.43	0.91			
PF-IA 2.4x.1.1	2.43	1.20	PF-IA 4.5x1.4	4.50	1.39
PF-IA 2.4x1.4	2.43	1.39	PF-IA 4.5x2.0	4.50	2.05
PF-IA 2.4x1.6	2.43	1.63	PF-IA 4.5x2.2	4.50	TBD
PF-IA 2.4x1.7	2.43	1.73	PF-IA 4.5x2.4	4.50	2.43
PF-IA 2.4x1.8	2.43	1.86	PF-IA 4.5x2.5	4.50	2.55
PF-IA 2.4x1.9	2.43	1.95	PF-IA 4.5x2.7	4.50	2.73
PF-IA 2.4x2.0	2.43	2.05	PF-IA 4.5x2.9	4.50	2.90
			PF-IA 4.5x3.0	4.50	3.03
PF-IA 2.5x1.1	2.52	1.20	PF-IA 4.5x3.6	4.50	3.50
PF-IA 2.5x1.4	2.52	1.43	PF-IA 4.5x3.8	4.50	3.90
PF-IA 2.5x1.6	2.52	1.63	PF-IA 4.5x3.9	4.50	3.95
PF-IA 2.5x1.7	2.52	1.73	PF-IA 4.5x4.0	4.50	3.98
PF-IA 2.5x1.8	2.52	1.82			
PF-IA 2.5x1.9	2.52	1.95	PF-IA 4.8x3.6	4.78	3.50
PF-IA 2.5x2.0	2.52	2.07	PF-IA 4.8x3.8	4.78	3.95
PF-IA 2.5x2.2	2.52	TBD	PF-IA 4.8x4.5	4.78	4.55
PF-IA 2.5x2.3	2.52	TBD			
			PF-IA 5.0x3.6	4.93	3.50
PF-IA 3.0x1.4	2.98	1.39	PF-IA 5.0x3.9	4.93	3.95
PF-IA 3.0x2.5	2.98	2.52	PF-IA 5.0x4.5	4.93	4.55
PF-IA 3.0x2.7	2.98	2.75			
			PF-IA 6.0x3.0	5.98	3.03
PF-IA 3.6x1.1	3.50	1.20	PF-IA 6.0x3.6	5.98	3.50
PF-IA 3.6x1.4	3.50	1.39	PF-IA 6.0x3.9	5.98	3.95
PF-IA 3.6x1.5x1.5	3.50	1.56	PF-IA 6.0x4.5	5.98	4.55
PF-IA 3.6x1.6	3.50	1.63			
PF-IA 3.6x1.7	3.50	1.73	PF-IA 6.7x3.6	6.63	3.53
PF-IA 3.6x1.8	3.50	1.86	PF-IA 6.7x4.0	6.63	3.98
PF-IA 3.6x1.9	3.50	1.95	PF-IA 6.7x4.5	6.63	4.50
PF-IA 3.6x2.0	3.50	2.05	PF-IA 6.7x5.0	6.63	4.93
PF-IA 3.6x2.0 Hex	3.50	2.00	PF-IA 6.7x5.2	6.63	5.17
			PF-IA 6.7x6.0	6.63	TBD



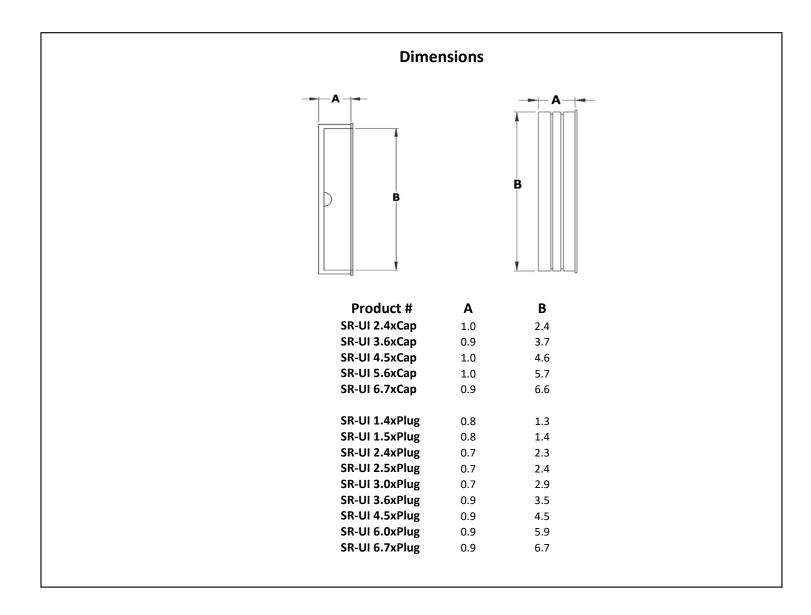


IA Series Caps & Plugs

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Caps & Plugs are used to terminate reducers, penetration fittings and pipe. Diversified manufactures a complete set of caps & plugs. Custom sizes can be machined to customers specifications.









Crossover Fittings

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Diversified Products manufactures a complete line of fuel resistant Crossover assemblies for testing interstices of double wall systems.







Air Test Valves

Technical Data Sheet

Since the introduction of EPA driven regulatory activities in 1988, contractors have been purchasing components to comply with these regulations. Diversified Products manufactures a complete line of air test valves



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

This family of air test valves is designed to for installation where an air test is needed. Air test valves can be used in pressurized applications beyond 100 PSIG.

Air test valves are available in many configurations. Common styles are the push in, barbed and male pipe thread.

Push in air valves include an acetal nut that is concave to seal to curved surfaces.

Barbed air valves are designed to seal to 3/16" ID tubing without a band clamp up to 50 PSIG pressure.

Air Valves are available with a 1/8" MPT thread for sealing to any 1/8" Female pipe thread. Pipe dope or Teflon tape may be used with these valves.

Air valves are manufactured out of 303 stainless steel in the USA by Diversified Products. Other materials are available on request.

Valve cores use metal valve core with a nitrile seal. Other seal materials are available.

Diversified manufactures the mating Bicycle fitting also out of 303 Stainless steel with a nitrile o ring seal. Standard bicycle fittings are designed for 3/16" ID tubing. Other sizes available on request.

Third Party Approvals







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





Diversified Bulkhead Cleaner CH-DBC II

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.



HMIS Hazard Rating		
0-Mineral	A-Goggles	
	B-Goggles, gloves	
2-Moderate	C-Goggles, Gloves	
3-Severe	Protective Wear	

Health	2
Flammability	3
Reactivity	0
Protective Wear	В

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

Physical Properties		
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	
рН	N/A	
Stability	Stable	

Third Party Approvals



Diversified Products Manufacturing

5523 Baggett Marysville Road - Oroville CA. 95965 USA

530-534-3966 - www.dpm-co.com - Order Entry Email: sales@dpm-llc.com



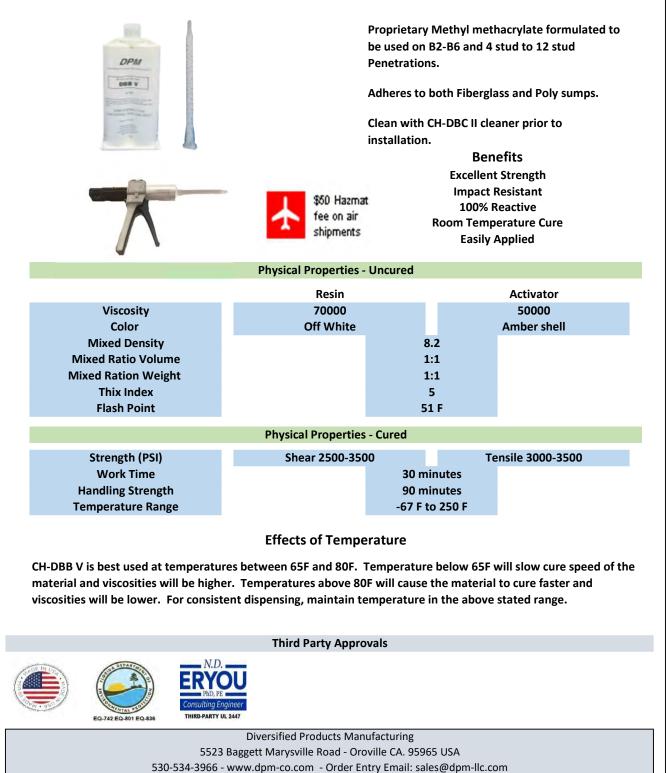
Diversified Products Manufacturing "Better By Design"



Diversified Bulkhead Bonder CH-DBB V

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.





Diversified Products Manufacturing "Better By Design"



Diversified's Applicator Guns CH-DAG III & CH-DAG III-M

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. The following applicator guns are available for use with the CH-DBB V bonder.





Diversified Products Manufacturing

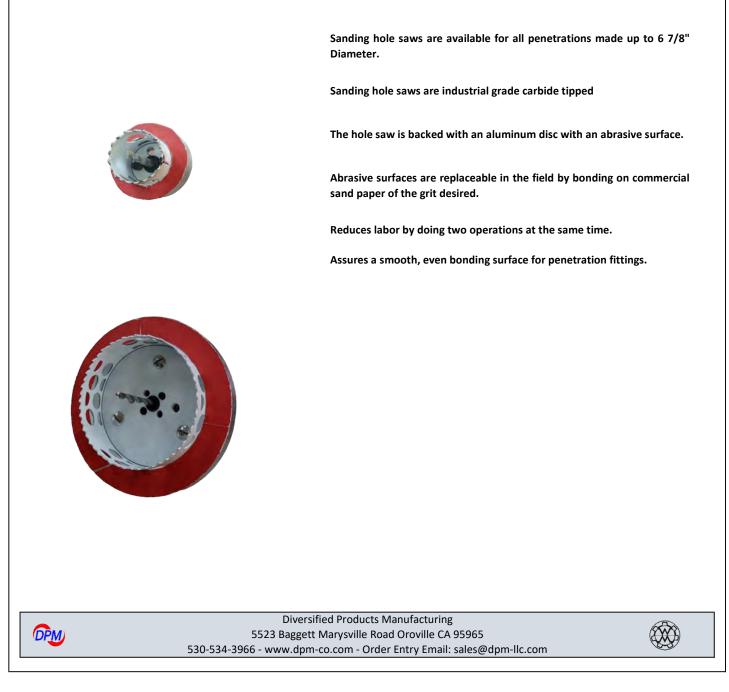


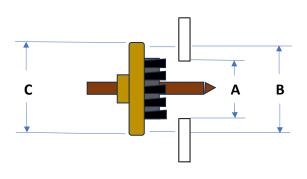
"Better By Design"

Sanding Hole Saws

Technical Data Sheet

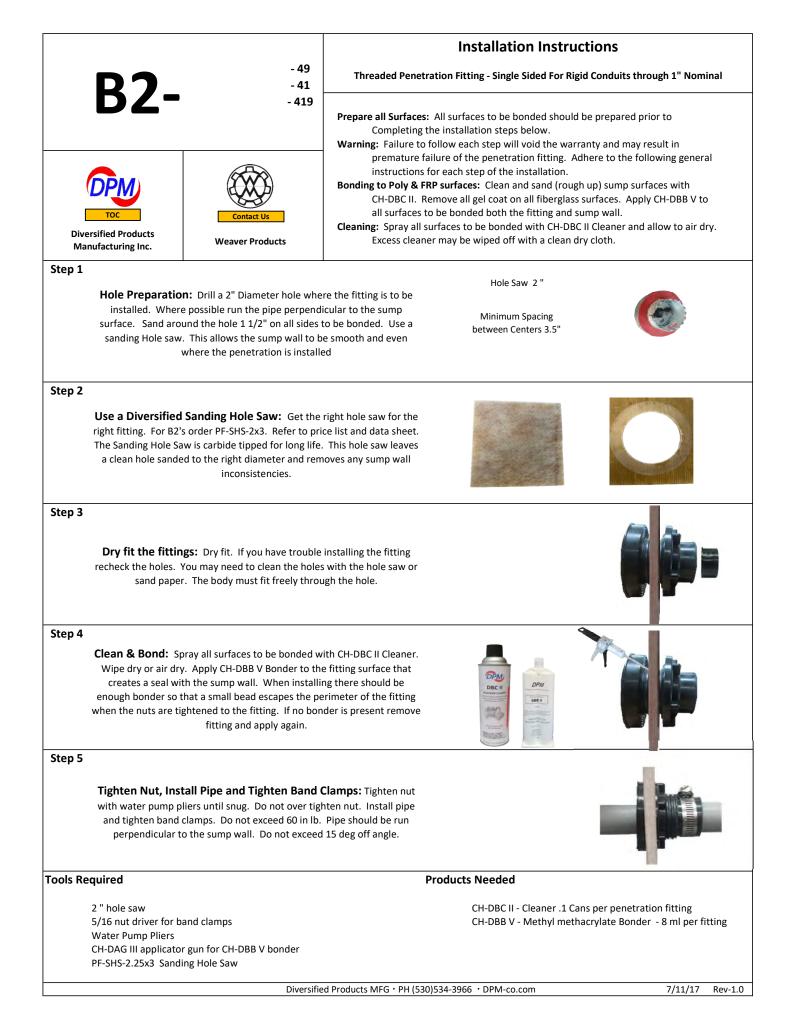
Proper Hole saw selection for penetration fittings is key to having a tight sump. After the hole is cut, then the sump should be sanded to remove all gel coat and to smooth rough fiberglass surfaces on the surfaces to be bonded.. This can now be accomplished with one step with Diversified's Sanding Hole 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.

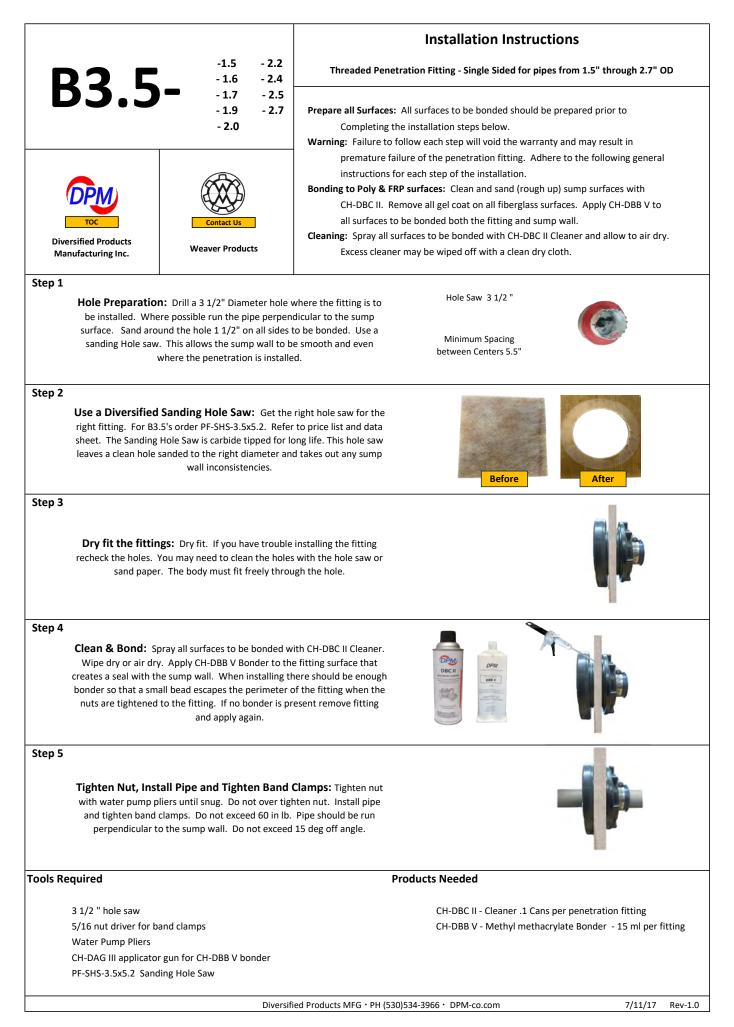




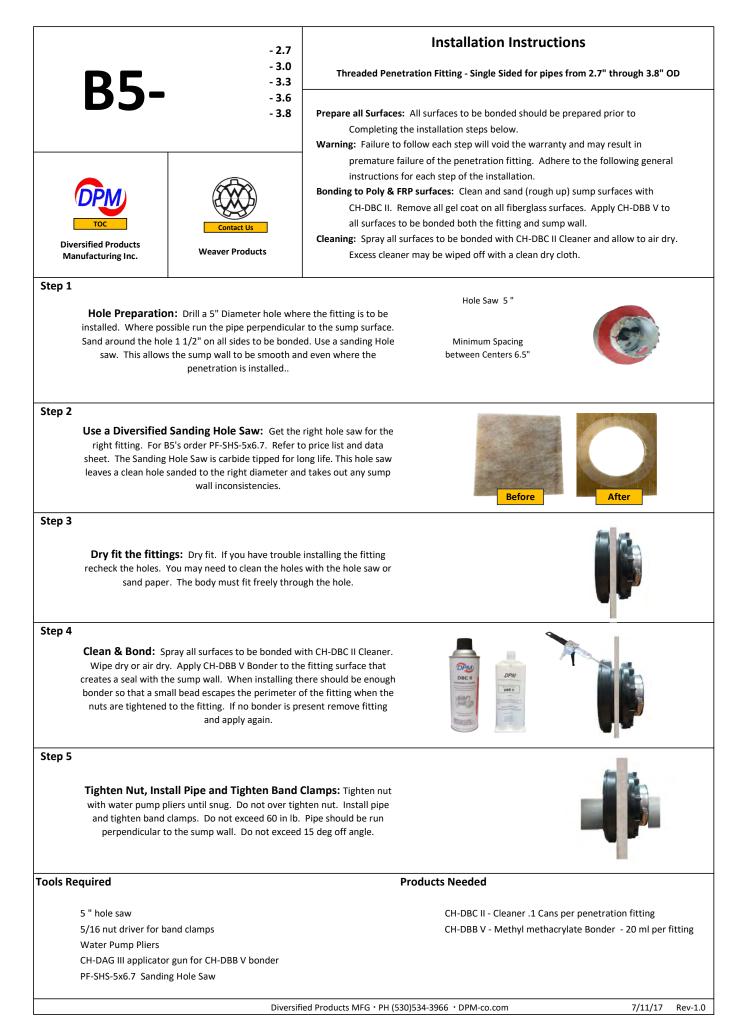
A Hole Saw	B Bonding Diameter	C SHS Diameter	Product Number	Application	Sump
1 3/4	2.61"	2.68"	PF-SHS-1.75x2.8	Bonded Electrical Conduit 3/4"	Single Wall
1 3/4	2.61"	2.68"	PF-SHS-1.75x2.8	Bonded Electrical Conduit 1"	Single Wall
2	2.97	3	PF-SHS-2x3	B2 Threaded Traditional Design	Single Wall
3.5	5.04	5.2	PF-SHS-3.5x5.2	B3.5 Threaded Traditional Design	Single Wall
5	6.54	6.7	PF-SHS-5x6.7-	B5 Threaded Traditional Design	Single Wall
6	7.43	7.6	PF-SHS-6x7.6	B6 Threaded Traditional 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
6.872	8.06	9.25	PF-SHS-6.875x9.3	12 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

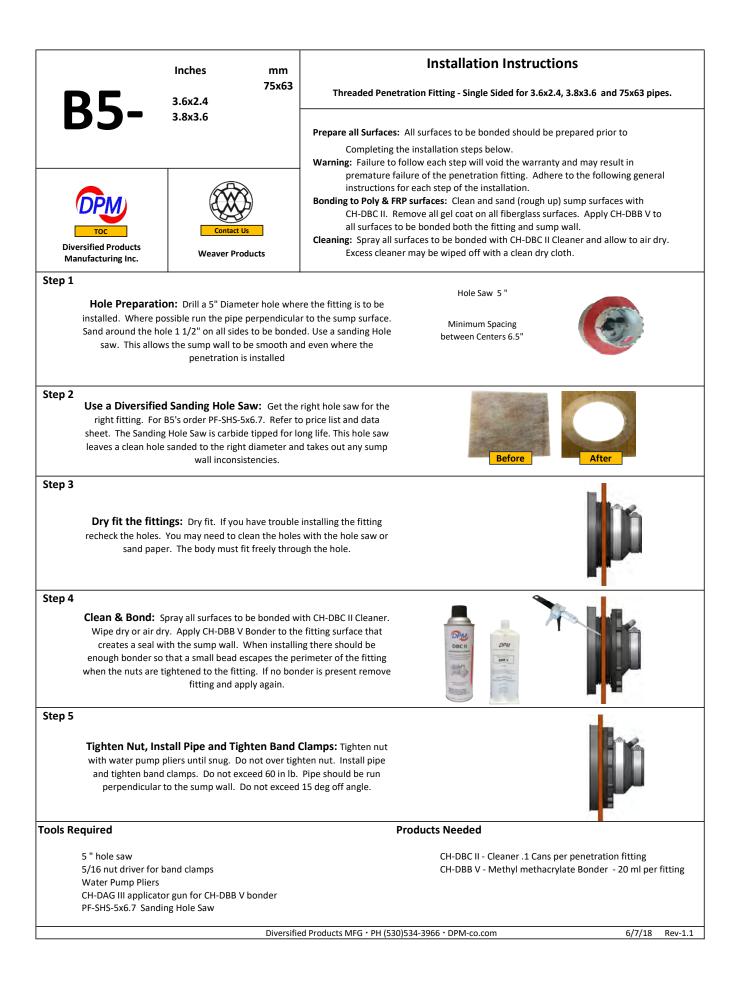




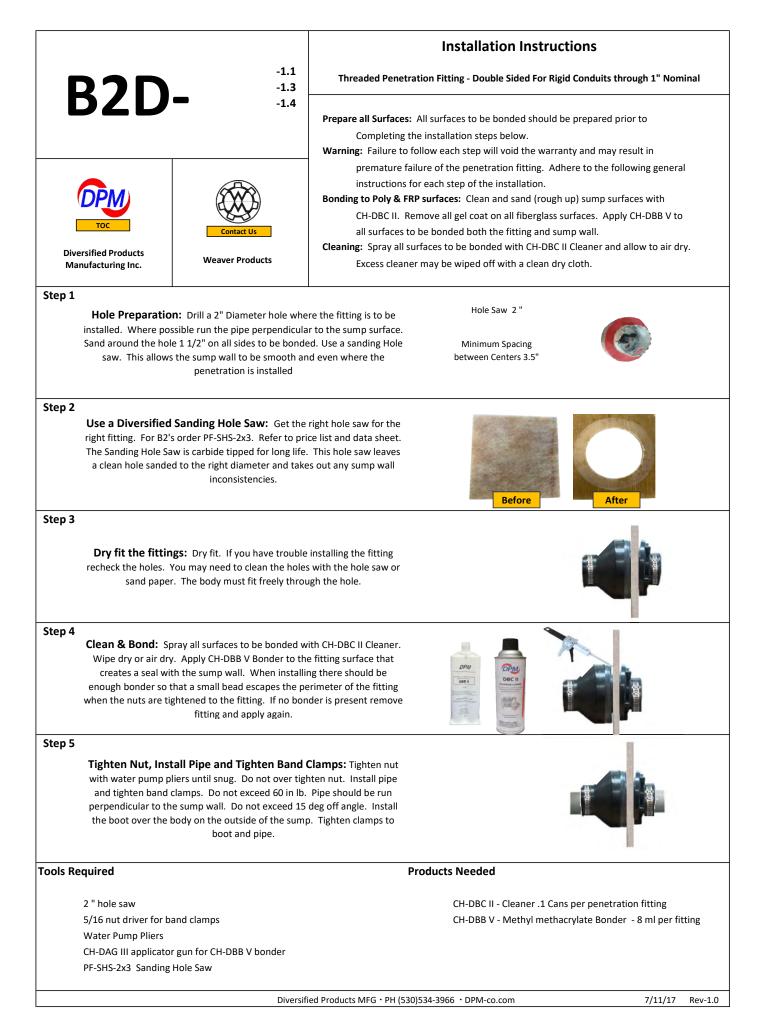


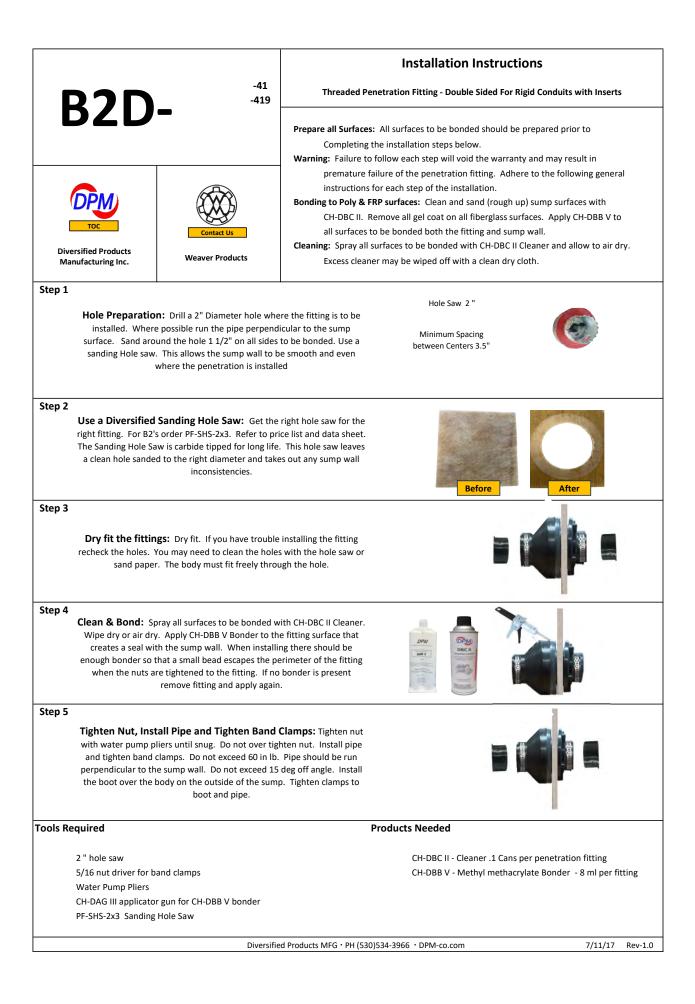
				Installation In	astructions
D2 E	Inches	mm 40x32	Threaded Pen		ed for 40x32, 63x50 and 2.7x2.4 pipes.
B3.5-	2 .7x2.4	63x50	•	: All surfaces to be bonded the installation steps below	should be prepared prior to
Toc Diversified Products Manufacturing Inc.	Contact U Weaver Pro		premature f instructions Bonding to Poly & F CH-DBC II. F all surfaces f Cleaning: Spray all	ailure of the penetration fitt for each step of the installa RP surfaces: Clean and san temove all gel coat on all fib to be bonded both the fittin	d (rough up) sump surfaces with erglass surfaces. Apply CH-DBB V to g and sump wall. CH-DBC II Cleaner and allow to air dry.
Step 1				Hole Saw 3 1/2	n
be installed. surface. Sand	ation: Drill a 3 1/2" Di Where possible run the d around the hole 1 1/2 saw. This allows the so where the penetrat	e pipe perpenc 2" on all sides t ump wall to be	licular to the sump to be bonded Use a e smooth and even	Minimum Spacin between Centers 5	g and a second se
right fitting. Fo sheet. The San	fied Sanding Hole S or B3.5's order PF-SHS-3 ding Hole Saw is carbid nole sanded to the righ wall inconsi	8.5x5.2. Refer e tipped for lo t diameter and	to price list and data ng life. This hole saw	Bef	ore After
recheck the hol	ittings: Dry fit. If you es. You may need to cl aper. The body must f	lean the holes	with the hole saw or		
Wipe dry or a creates a sea enough bonde	I: Spray all surfaces to ir dry. Apply CH-DBB V al with the sump wall. r so that a small bead e uts are tightened to the remove fitting an	Bonder to the When installin scapes the per e fitting. If no l	fitting surface that g there should be rimeter of the fitting	DPM DRC H BRC H BRC H	
with water pur and tighten b	Install Pipe and Tig mp pliers until snug. Do and clamps. Do not ex Ilar to the sump wall. D	o not over tigh ceed 60 in lb.	ten nut. Install pipe Pipe should be run		
Tools Required				Products Needed	
	for band clamps	/ bonder			er .1 Cans per penetration fitting yl methacrylate Bonder - 15 ml per fitting
		Diversified	l Products MFG • PH (530)534-3966 • DPM-co.com	6/7/18 Rev-1.





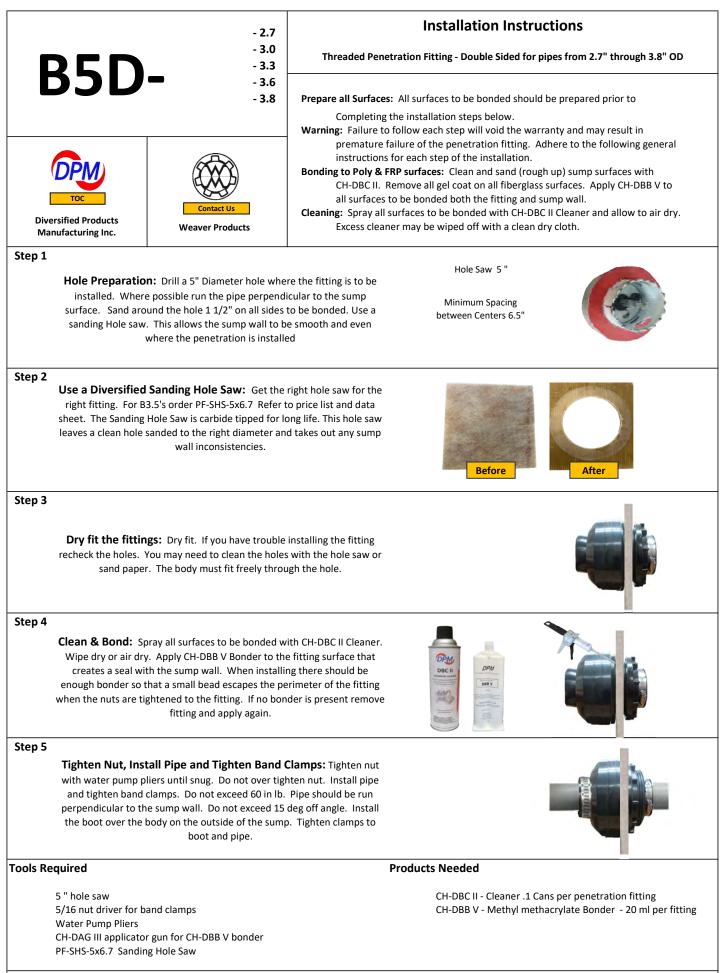




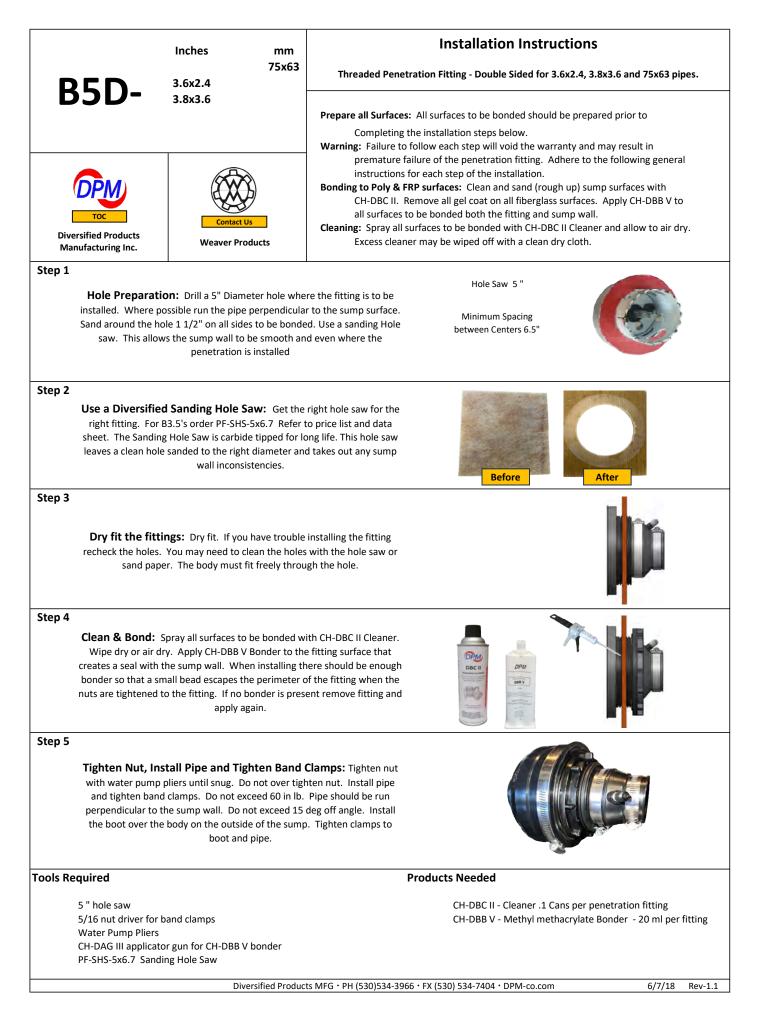


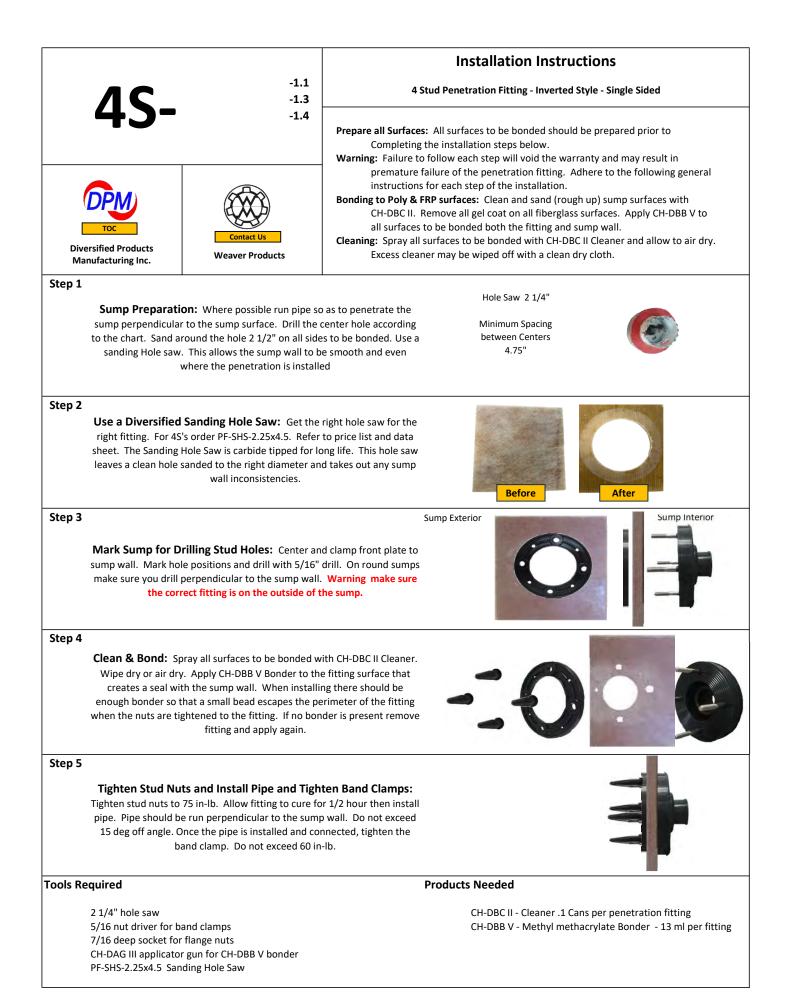


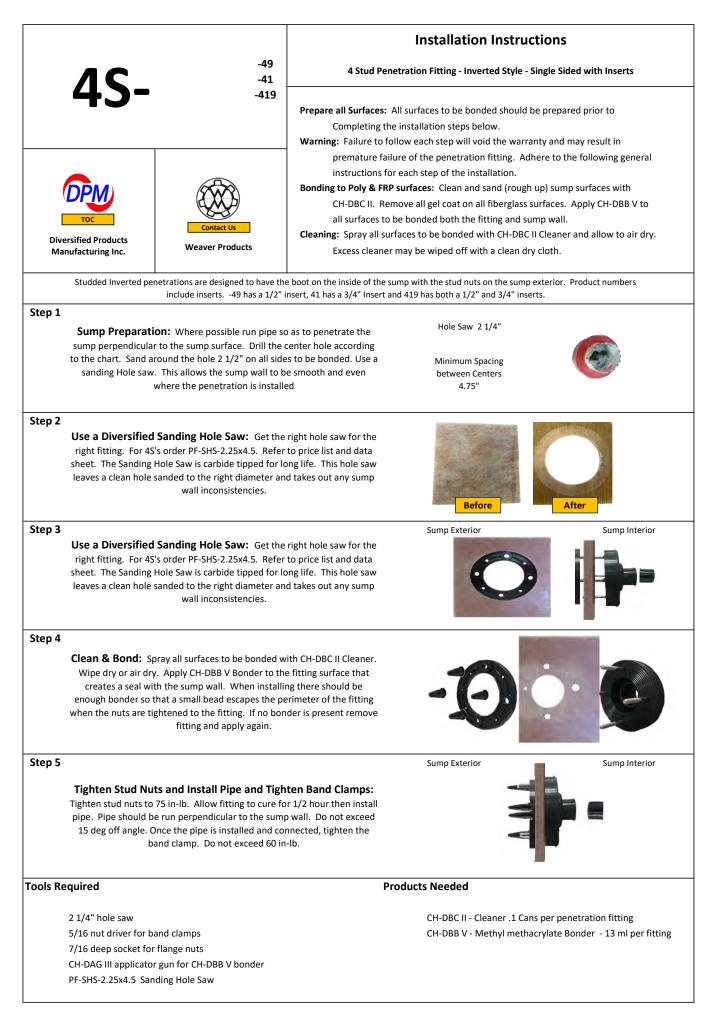


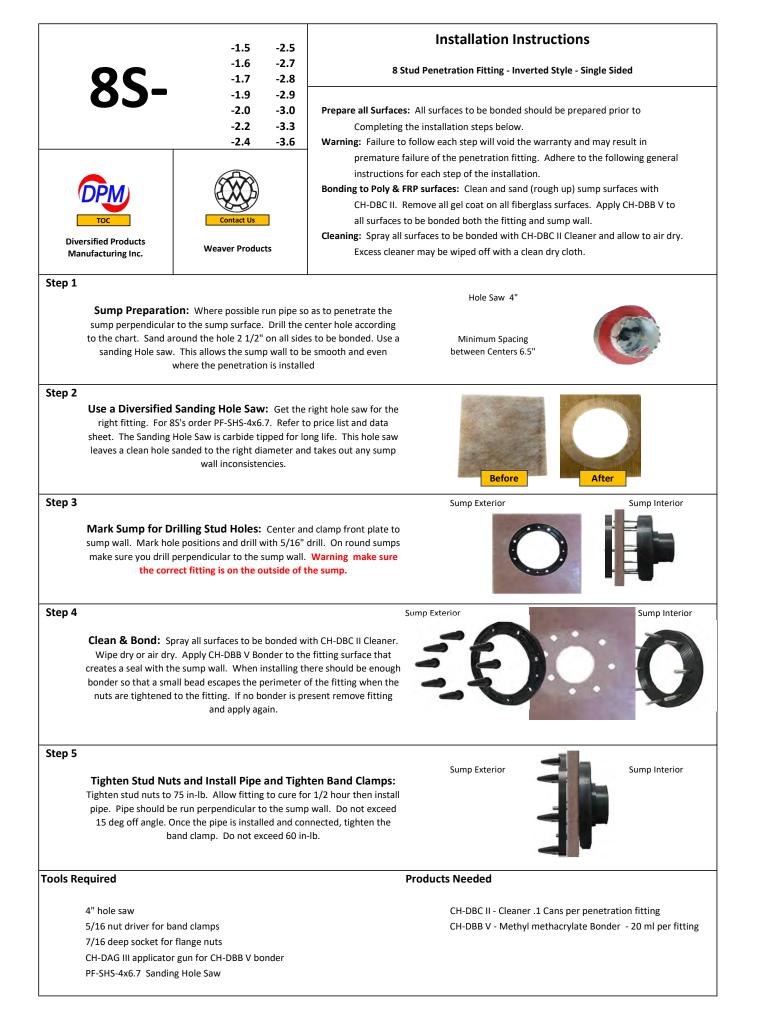


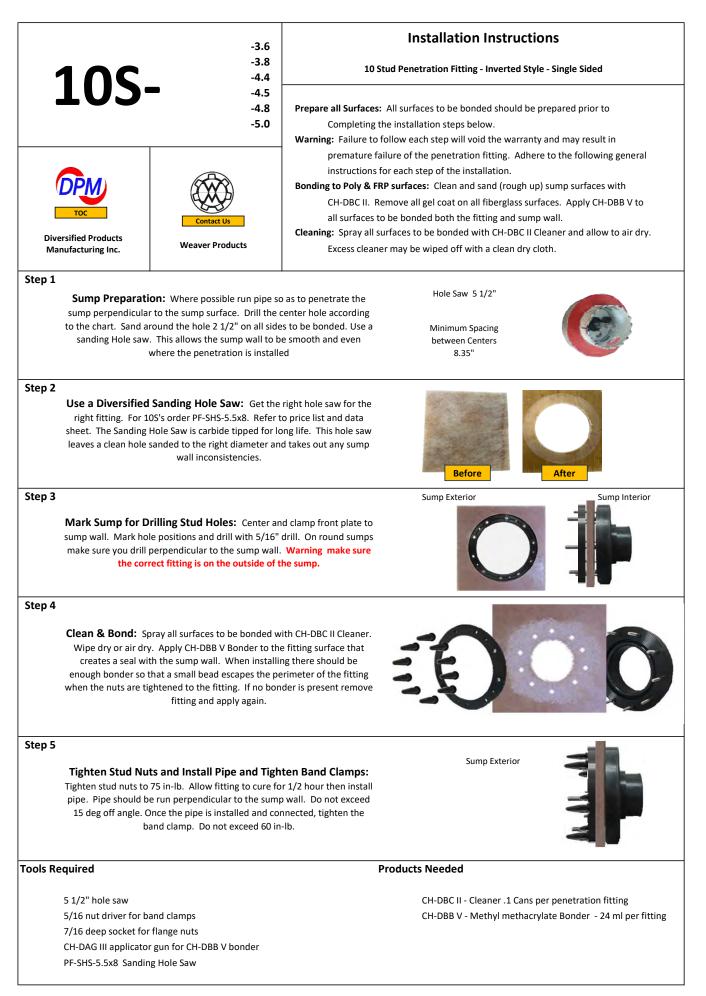
6/7/18 Rev-1.1



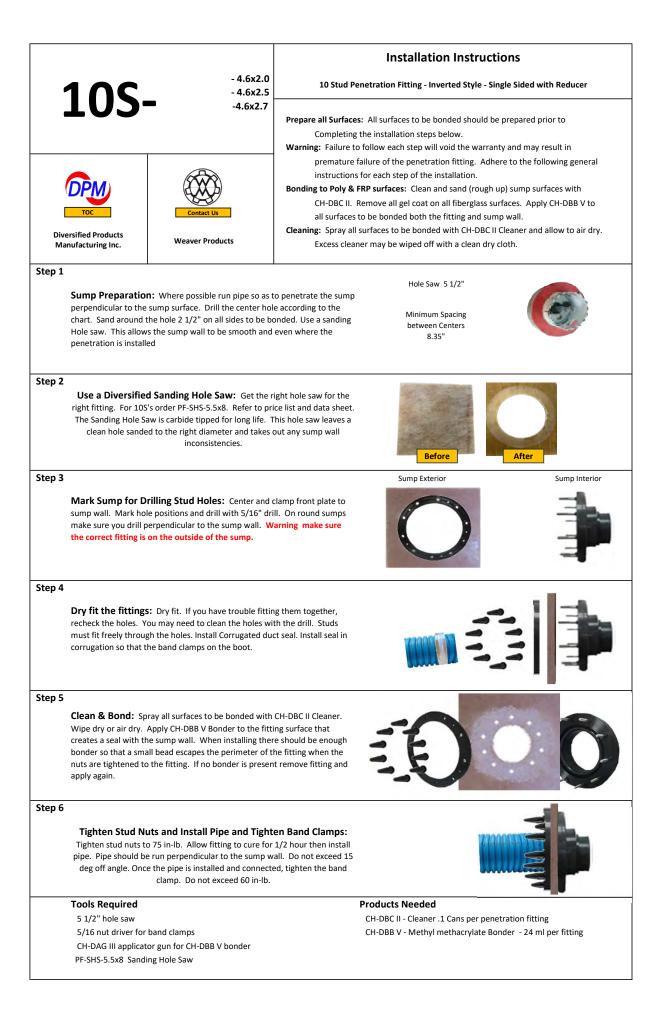




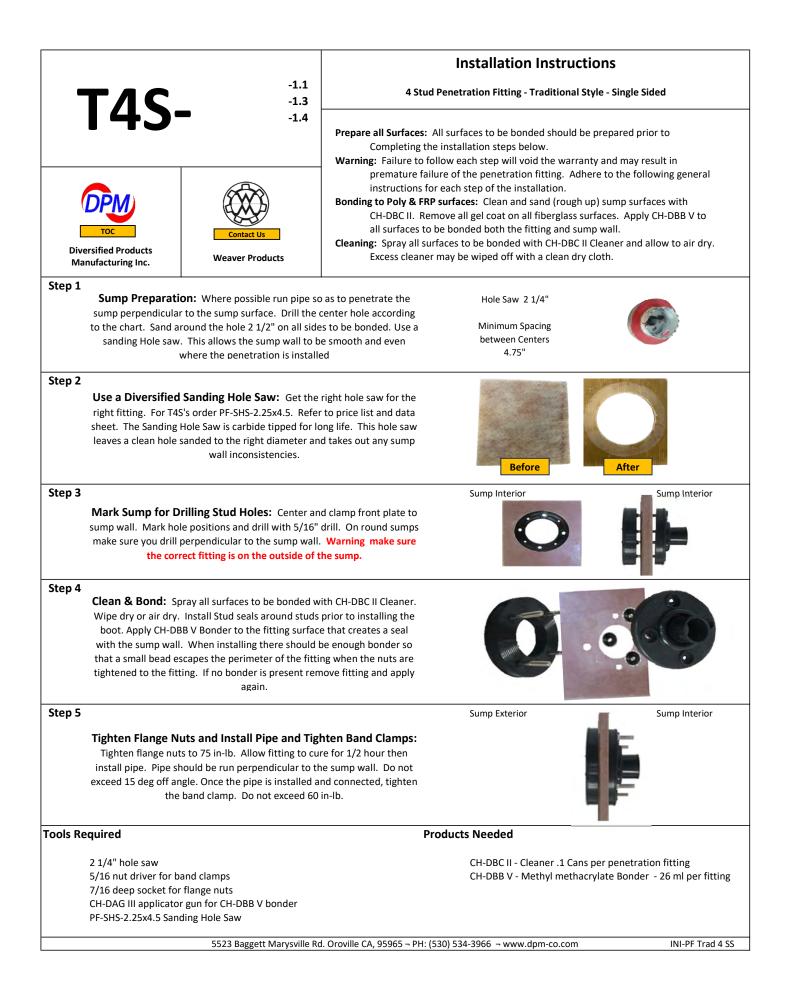


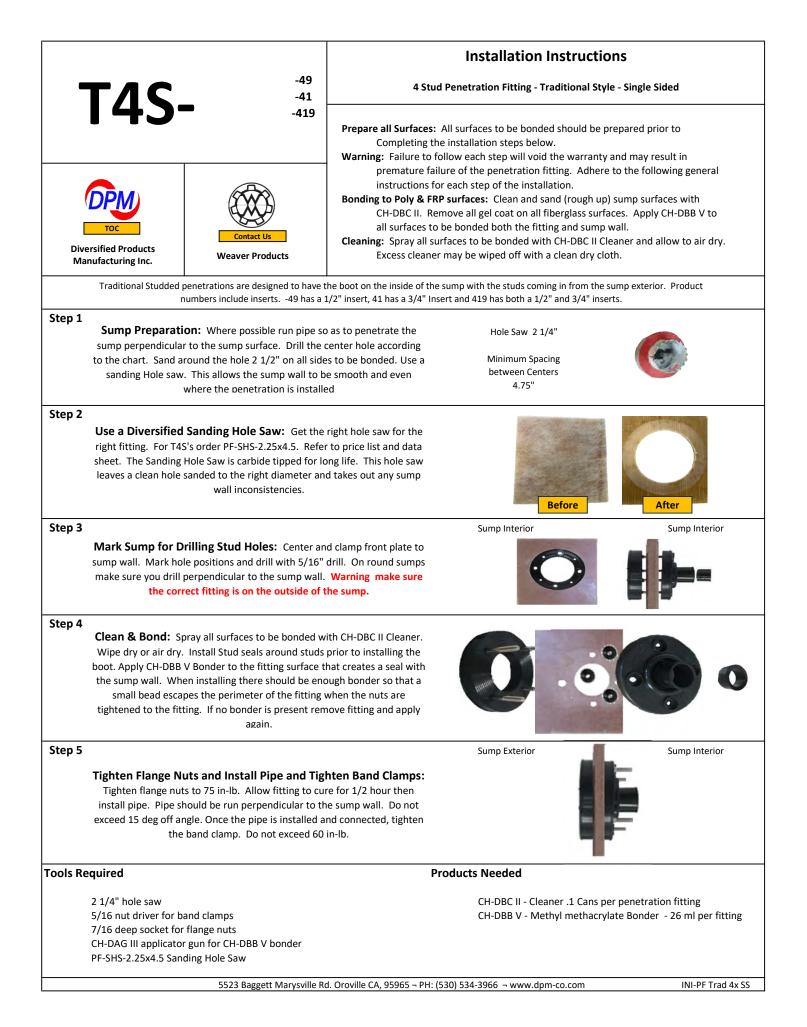


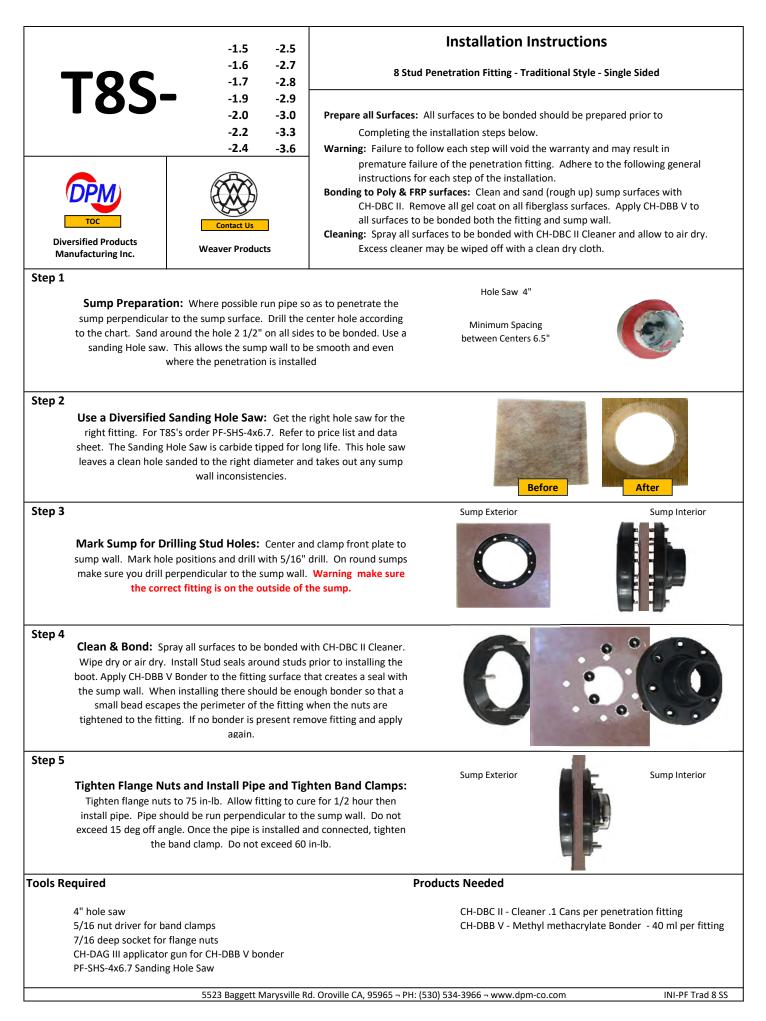
October 2024

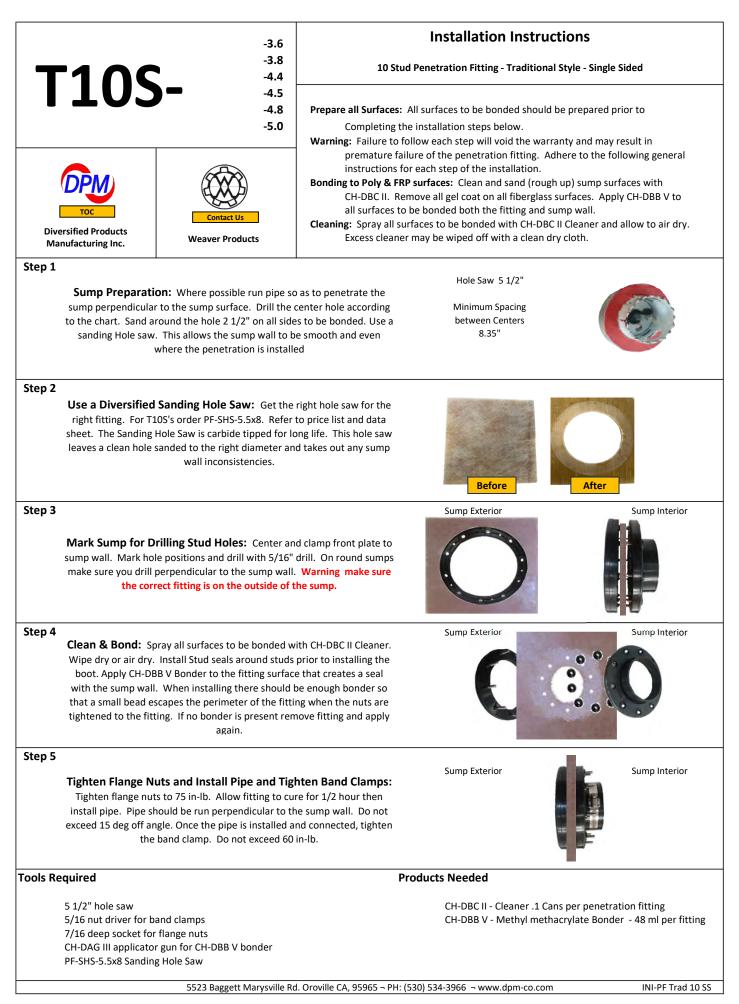


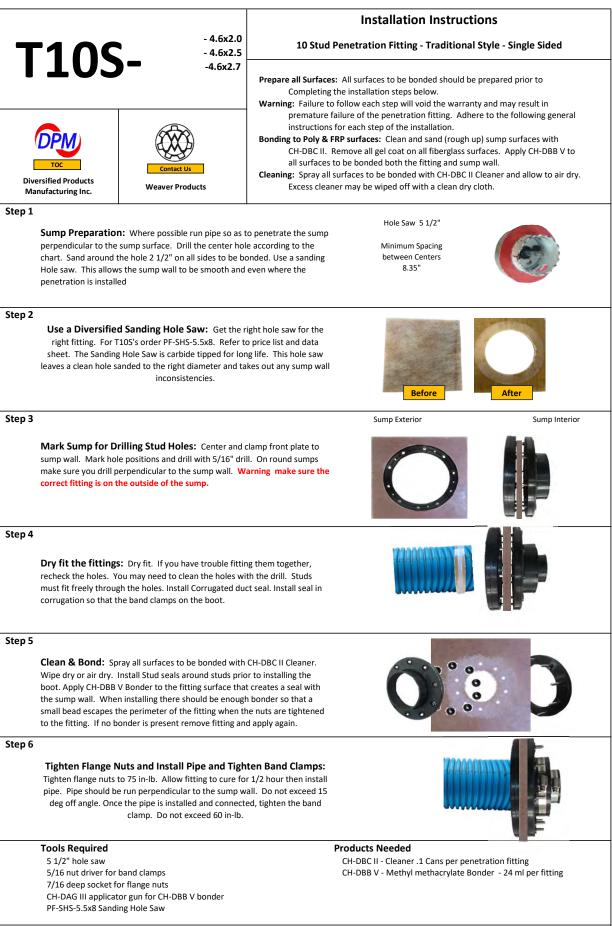










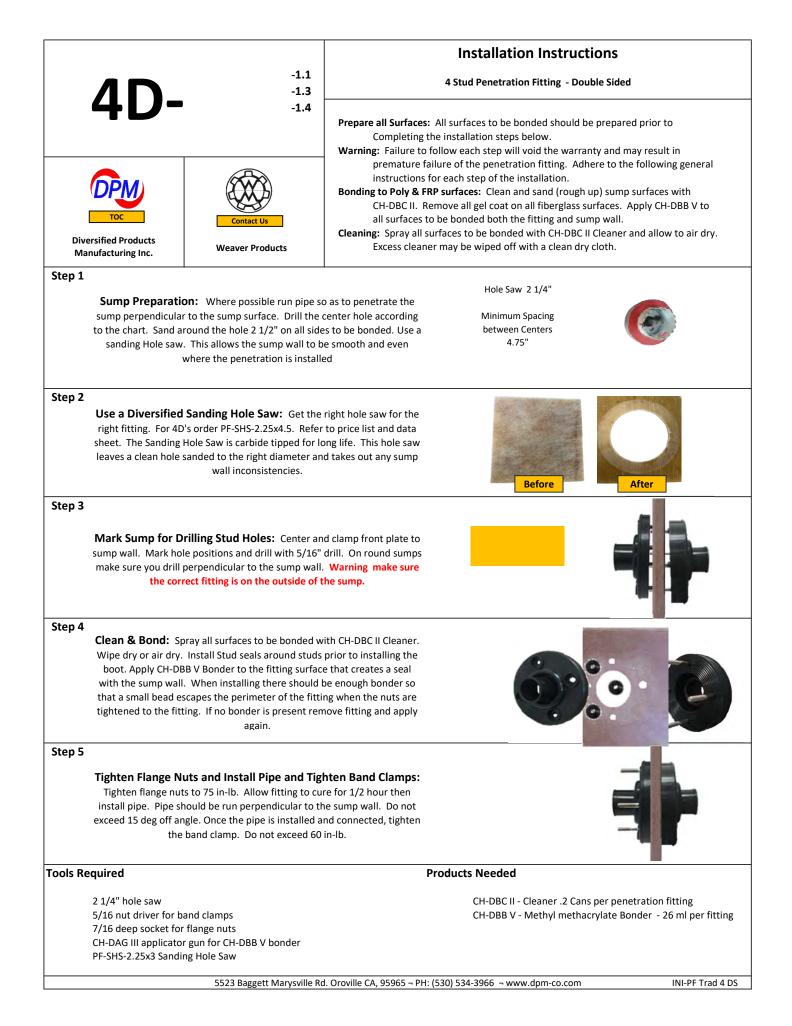


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INI-PF Trad 10 SS





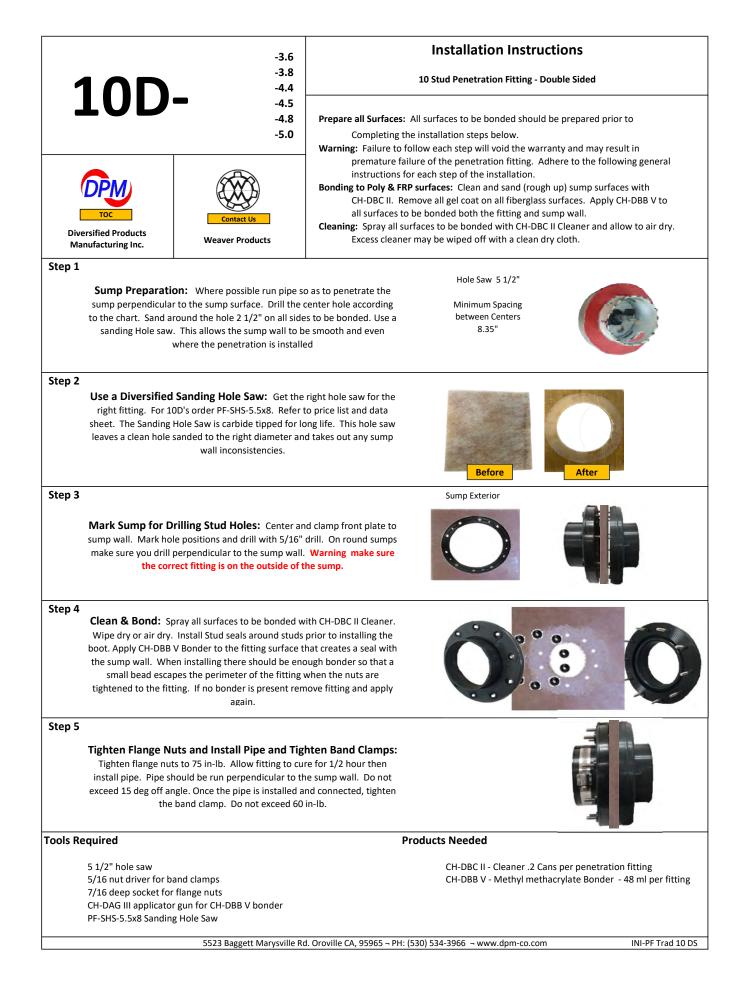


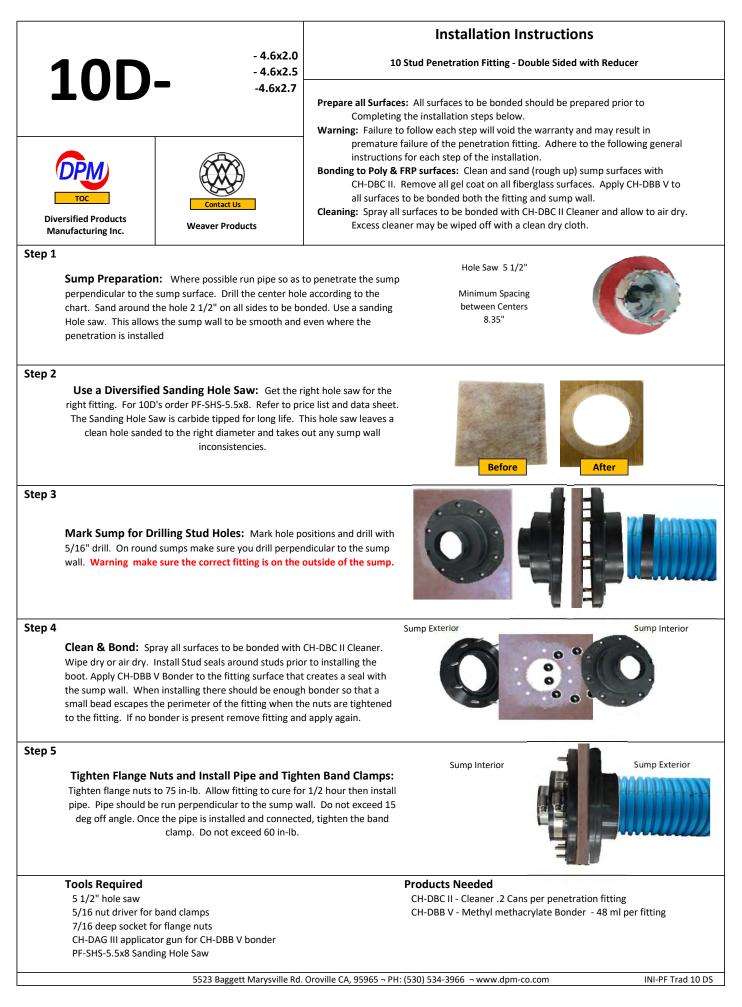
October 2024

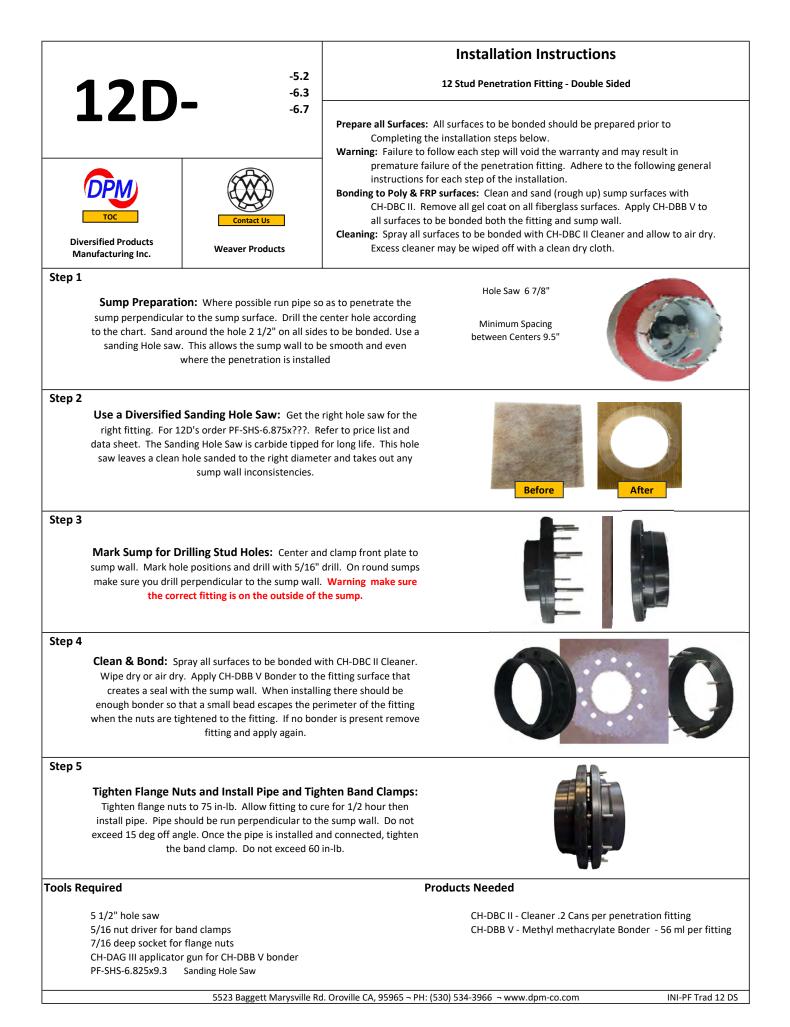


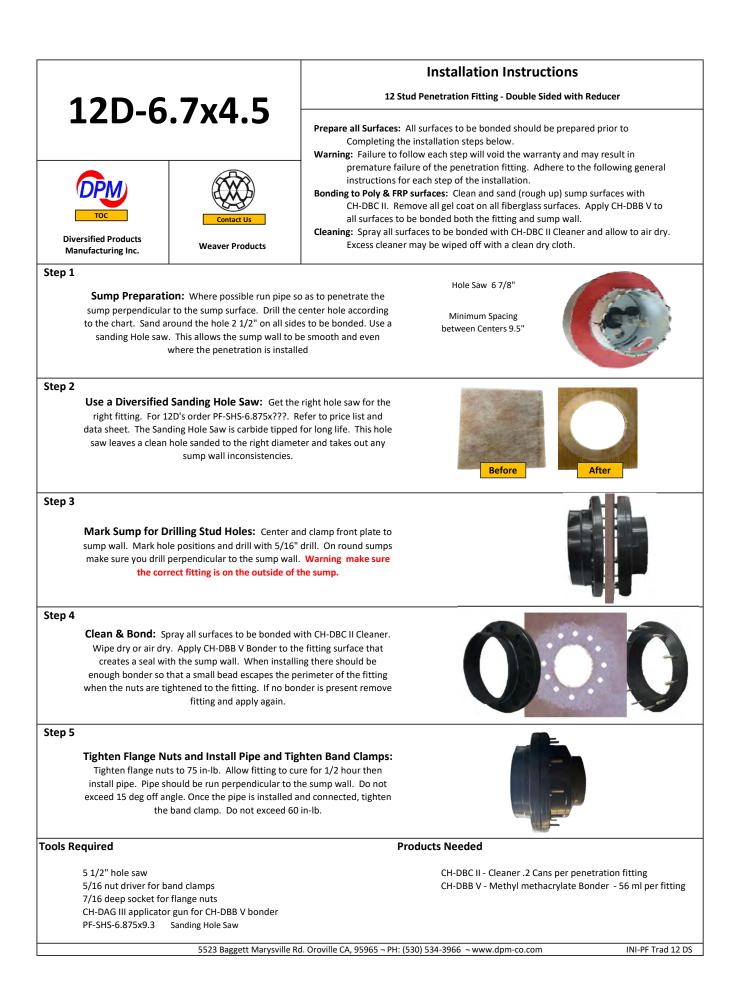


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	Reference Data	
T	hird Party Approval - ROUNDTABLE	Contact L
October 30, 2020		
Mr. Josh Dow Diversified Products I 5523 Baggett Marysv Oroville, CA 95965		
Third-Party Co	e No: NDE20201020 ertification under UL 2447- Outline of Investigation for sories 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	
Dear Mr. Dow,	SU- Sumps and Accessories	
PhD, PE) has perform	ove listed products, our testing partner on this project (N.D. Eryou, ned our UL 2447 Third-Party inspection and testing. All products ed to comply with the "Outline of Investigation for Fittings and ".	
on sound engineering additives currently be Therefore, the Spill C	both the design and materials used in the above products are based principles and the materials are compatible with all motor fuels and ing used including fuels containing $>10\%$ ethanol or 20% biodiesel. Containment Liner should have the same chemical resistance to the the DPM "Products Evaluated" listed above.	
of, in any way, of the specifically authorized	iters Laboratories (UL) is an independent testing laboratory and use ne UL Listing or Registered Trade Mark UL is prohibited unless d by Underwriters Laboratories.	
Very truly yours,	39570 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	Roundtable Engineering Solutions, Inc	



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

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



Reference Data

Chemicals Wizard for Penetrations



Site Information:											
				Qı	ick Select	ion Chart -	Repair Pro	oducts			
		Ероху	Bonder	Cleaner	Putty	Glue Kit	Total	Total	Total	Total	Total
		oz	ml	Cans	Stick	oz	DEB	DBB V	DBC II	DSP-4	DGK-4
	Quantity	DEB	DBB V	DBC II	DSP-4	DGK-4	oz	ml	Cans	sticks	oz
B2 with or without inserts		0	8	0.1	0.00	0	0	0	0	0	0
B3.5		0	15	0.1	0.00	0	0	0	0	0	0
В5		0	20	0.1	0.00	0	0	0	0	0	0
B6		0	24	0.1	0.00	0	0	0	0	0	0
B3.5 w integral Reducers		0	15	0.1	0.00	0	0	0	0	0	0
B5 w integral Reducers		0	20	0.1	0.00	0	0	0	0	0	0
4S & T4S with or without inserts		0	13	0.1	0.00	0	0	0	0	0	0
8S & T8S		0	20	0.1	0.00	0	0	0	0	0	0
10S & T10S with or without reducers		0	24	0.1	0.00	0	0	0	0	0	0
12 S & T12S		0	28	0.1	0.00	0	0	0	0	0	0
4D with or without inserts		0	26	0.1	0.00	0	0	0	0	0	0
8D		0	40	0.1	0.00	0	0	0	0	0	0
10D with or without reducers		0	48	0.1	0.00	0	0	0	0	0	0
12 D		0	56	0.1	0.00	0	0	0	0	0	0
						Totals	0.0	0	0	0	0
DEB Bulk 13 Can sets of 13 oz		0		ml cartridges		0		s of Cleaner		0	
Bulk pack of 9 each 13 oz cans		0.0	Cases of 15	each 50 ml car	tridges sets	0.0	Cases of 12	2 aerosol ca	ns of DBC II	0.0	
				DSP-4 Sticks	of Super Put	tt 0	DGK-4 glue	e Kits		0.0	
				Cases of 12 s			-	each DGK-4		0.0	
						_	Cases of 10) each DGK-	4	0.0	
DEIK Installation Kits			0	DGK-4 Glue	Vite	0					
Additional DEB Bulk 13 Epoxy Kits				DBB V Bulkh		0					
Additional Super Putty			0 0	DBC II Clean		0					

DPM
тос

Reference Data



Pipe Size Charts

APT Flex Pipe Diameters								
Obsolete Pipe								
	Double Wall Pipe							
	Size	Prod #	Diameter	Кеу				
	1/2"	P-050-SC	1.10/.84	1.1/.9				
	3/4"	P-075-SC	1.32/1.05	1.4/1.1				
	1"	P-100-SC	1.70/1.32	1.7/1.4				
	1 1/2"	P-150-SC	2.00/1.75	2.0/1.8				
	1 3/4"	P-175-SC	2.38/2.00	2.4/2.0				
	2"	P-200-SC	2.88/2.50	2.9/2.5				
	3"	P-300-SCN	3.75/3.51	3.8/3.6				
	2"	V-200-SC	2.88/2.50	2.9/2.5				
	3"	V-300-SCN	3.80/3.60	3.8/3.6				
	3"	R-300-SCN	3.80/3.60	3.8/3.6				
	4"	R-400-SCN	4.75/4.50	4.8/4.5				
	Single Wall F	Pipe						
	1/2"	P-050-D	0.84	0.9				
	3/4"	P-075-D	1.05	1.1				
	1"	P-100-D	1.32	1.4				
	1 1/2"	P-150-D	1.75	1.8				
	1 3/4"	P-175-D	2.00	2.0				
	2"	P-200-D	2.50	2.5				
	3"	P-300-D	3.51	3.6				
	2"	V-200-D	2.50	2.5				
	3"	V-300-D	3.60	3.6				
	3"	R-300-D	3.60	3.6				
	4"	R-400-D	4.50	4.5				
Ne	w Pipe							
	Double Wall	Pipe	Diameter	Кеу				
	1"	XP-100-SC	1.47/1.27	1.5/1.3				
	1 1/2"	XP-150-SC	1.90/1.70	1.9/1.7				
	1 3/4"	XP-175-SC	2.15/1.95	2.2/2.0				
	2"	XP-200-SC	2.65/2.45	2.7/2.5				
	Single Wall F	Pipe						
	1"	XP-100-D	1.27	1.3				
	1 1/2"	XP-150-D	1.70	1.7				
	1 3/4"	XP-175-D	1.95	2.0				
	2"	XP-200-D	2.45	2.5				
	4"	DCT-400	4.50	4.5				

Total Containment Flex Pipe Diameters						
Ob	solete Pipe					
	Double Wall P	'ipe				
	Size	Prod #	Diameter	Кеу		
	1 1/2"	CP-1503	2.285/2.085	2.4/2.0		
	2"	CP-2503	3.385/3.185	3.4/3.2		
	Single Wall Pij	pe				
	1/2"	PP0500	0.780	0.8		
	3/4"	PP0750	1.060	1.1		
	1"	PP1000	1.350	1.4		
	1 1/2"	PP1503F	2.085	2.1		
	2 1/2"	PP2503F	3.185	3.2		
	2 1/2"	SP2501F	2.870	2.9		
	2 1/2"	SP2503F	2.860	2.9		
	2 1/2"	VP2501F	2.860	2.9		
	4"	SP4500	4.600	4.6		
	4"	SP4500B	4.600	4.6		
	6"	SP6000	5.800	5.8		

NOV Ameron/Smith Fiberglass Pipe **Current Pipe** Double Wall Pipe Diameter Кеу 2" LCX 3000LCX 2.59/2.37 2.7 3" LCX 3000LCX 3.70/3.50 3.8 4" LCX 3000LCX 4.70/4.50 4.8 Single Wall Pipe 2" 2.370 3000L 2.4 3" 3000L 3.500 3.6 4" 3000L 4.500 4.5 6" 3000L 6.630 6.7 2" RT II 2.372 2.4 3" RT II 3.559 3.6 4" RT II 4.554 4.5 6" 6.686 RT II 6.7

Metric Pipes	Metric Pipes					
	28mm	1.10"	1.1			
	32mm	1.26"	1.3			
	40mm	1.57"	1.6			
	50mm	1.97"	2.0			
	54mm	2.13"	2.2			
	60mm	2.36"	2.4			
	63mm	2.48"	2.5			
	75mm	2.95"	3.0			
	90mm	3.54"	3.6			
	110mm	4.33"	4.4			
	125mm	4.92"	5.0			
	160mm	6.30"	6.3			
	180mm	7.09"	7.1			



Reference Data



Pipe Size Charts

Environ Flex Pipe Diameters						
Ob	solete Pipe					
	Double Wall					
	Size	Prod #	Diameter	Кеу		
	3/4"	GFP-2075	1.18/1.00	1.2/1.0		
	1"	GFP-2100	1.45/1.25	1.5/1.3		
	1 1/2"	GFP-2150	2.00/1.80	2.0/1.8		
	2"	GFP-2200	2.50/2.30	2.5/2.3		
	3"	GFP-2300	3.57/3.34	3.6/3.4		
	2"	GVP-2200	2.50/2.30	2.5/2.3		
	3"	GVP-2300	3.57/3.34	3.6/3.4		
	Single Wall F	Pipe				
	1 1/2"	GFP-1150	1.80	1.8		
	2"	GFP-1200	2.30	2.3		
	3"	GFP-1300	3.34	3.4		
	2"	GVP-1200	2.30	2.3		
	3"	GVP-1300	3.34	3.4		
	4"	GDP-4500	4.50	4.5		
	4"	GDM-4500	4.50	4.5		

OPW New Flexworks Pipe & Western Co-Flex						
	w Pipe	•				
	Double Wall		OD	Key		
	3/4"	C075	1.18/1.00	1.2/1.0		
	1"	C10	1.45/1.25	1.5/1.3		
	1 1/2"	C15	2.0/1.8	2.0/1.8		
	2"	C20	2.5/2.3	2.5/2.3		
	3"	C30	3.5/3.3	3.5/3.3		
	1 1/2"	CP15RB	1.97/1.80	2.0/1.8		
	2"	CP20RB	2.6/2.4	2.6/2.4		
	3"	AXP-30	3.54	3.6		
	4"	AXP-40	4.76	4.8		
	Single Wall Pip	e				
	1 1/2"	SP15	1.80	1.8		
	2"	SP20	2.40	2.4		
	3"	AP30	3.50	3.5		
	4"	AP40	4.50	4.5		
Coppe	er Pipe					
	Nominal		OD	Кеу		
	1/2"		.625"	0.7		
	5/8"		.750"	0.8		
	3/4"		.875"	0.9		
	1"		1.125"	1.2		
	1 1/4"		1.375"	1.4		
	1 1/2"		1.625"	1.7		
	2"		2.125"	2.2		
	2 1/2"		2.625"	2.7		
	3"		3.125"	3.2		
	4"		4.125"	4.2		

OmegaFlex Stain	less Pipe					
Ne	w Pipe					
	DoubleTrac S	tainless Pipe	Diameter	Кеу		
	1"	UGF-FSP-16	1.55	1.6		
	1 1/2"	UGF-FSP-24	2.3	2.3		
	2"	UGF-FSP-32	2.93	3.0		
	4"	UGF CP4	4.5	4.5		
	DEF-Trac Uni	nsulated Stainle	ss Pipe			
	1"	DF-FSP-16		1.5		
	1 1/2"	DF-FSP-24		2.0		
	2"	DF-FSP-32		2.5		
DEF-Trac Insulated Stainless Pipe						
	1"	DF-FSPHT-16		2.7		
	1 1/2"	DF-FSPHT-24		3.0		
	2"	DF-FSPHT-32		3.6		

Brugg Stainless Flex Pipe

New Pipe				
	Double Wall St	tainless Pipe	OD	Кеу
	3/4"	CNT 21/31	.83/1.22	.9/1.3
	1"	CNT 30/38	1.18/1.50	1.2/1.5
	1 1/2"	CNT 48/60	1.89/2.36	1.9/2.4
	2"	CNT 60/71	2.36/2.80	2.4/2.8
	3"	CNT 83/105	3.26/4.13	3.3/4.2
	4"	CNT 98/120	3.86/4.73	3.9/4.8
revised 3/15/18	1"	HL 30/48	1.90	1.9
revised 3/15/18	1 1/2"	HL 48/71	2.80	2.9
revised 3/15/18	2"	HL 60/83	3.30	3.3
revised 3/15/18	3"	HL98/134	5.30	5.3
	1 1/2"	SEC 40	2.50	2.5
	2"	SEC 50	3.00	3.0
	4"	SEC 100	4.76	4.8

Rigid Conduit - ANSI Steel Pipe										
	Nominal	OD	Кеу							
	1/2"	0.84"	0.90							
	3/4"	1.05"	1.10							
	1"	1.315"	1.40							
	1 1/4"	1.660"	1.70							
	1 1/2"	1.900"	1.90							
	2"	2.375"	2.40							
	2 1/2"	2.875"	2.90							
	3"	3.500"	3.60							
	3 1/2"	4.000"	4.00							
	4"	4.500"	4.50							
	5"	5.563"	5.60							
	6"	6.625"	6.70							
	8"	8.625"	8.70							
	10"	10.760"	10.80							
	12"	12.750"	12.80							
	14"	14.000"	14.00							



"Dare to Compare"



Diversified Products has been producing quality products since 1991. The following is a selected listing of OPW, APT and Diversified penetration fittings. Where possible like for like products have been compared. Bravo products were not considered in this comparison as they currently do not catalog a flexible penetration fitting. IN many cases Diversified's list prices are less than 50% of the corresponding List prices from APT or OPW. Double sided penetrations are not compared but like results may be expected.



Description	Diversified				OPW			APT				
Pipe Size	Threaded	List	Studded	List	Studded	List	Saving	%	Studded	List	Saving	%
3/4" Rigid Conduit	PF-B2-1.1	\$27.99	PF-T4S-1.1	\$37.31			U		FBB-075-D	\$105.00	\$67.69	181.4%
32mm Conduit	PF-B2-1.3	\$27.99	PF-T4S-1.3	\$37.31								
1"Rigid Conduit & APT 3/4" SC	PF-B2-1.4	\$27.99	PF-T4S-1.4	\$37.31					FBB-075-SC	\$87.00	\$49.69	133.2%
3/4" & 1" Rigid Conduit	PF-B2-41	\$36.57	PF-T4S-41	\$45.89								
1/2, 3/4 & 1" Rigid Conduit	PF-B2-419	\$45.15	PF-T4S-419	\$54.47	EBF-0751	\$74.63	\$20.16	37.0%				
1.5" OD Pipe	PF-B3.5-1.5	\$34.21	PF-T8S-1.5	\$46.64								
40mm Pipe	PF-B3.5-1.6	• •	PF-T8S-1.6	\$46.64								
1 1/4" Nominal Pipe & APT 1" SC	PF-B3.5-1.7		PF-T8S-1.7	\$46.64					FEB-100-SC	\$87.00	\$40.36	86.5%
1 1/2" Nominal (Steel) Pipe	PF-B3.5-1.9			\$46.64								
1 1/2" Flex Works & APT 1 1/2" SC	PF-B3.5-2.0		PF-T8S-2.0	\$46.64	EBF-0150	\$76.72	\$30.08	64.5%	FBB-150-SC	\$129.00	\$82.36	176.6%
2.2" OD Pipe APT??	PF-B3.5-2.2			\$46.64								
2" FRP & Steel Pipe & APT 1 3/4" SC	PF-B3.5-2.4		PF-T8S-2.4	\$46.64	EBF-0200F	\$95.64		105.1%	FEB-175SC	\$112.00	\$65.36	140.1%
2" Flex Works & 63mm Pipe	PF-B3.5-2.5		PF-T8S-2.5	\$46.64	EBF-0200	\$92.09	\$45.45					
2" LCX Pipe	PF-B3.5-2.7		PF-T8S-2.7	\$46.64	EBF-0200	\$92.09	\$45.45	97.4%				
2" LCX Pipe	PF-B5-2.7	\$41.99	PF-T8S-2.7	\$47.64								
2 1/2" Nominal Pipe & APT 2" SC	PF-B5-2.9	\$41.99	PF-T8S-2.9	\$46.64					FEB-200-SC	\$112.00	\$65.36	140.1%
75mm Pipe	PF-B5-3.0	\$41.99	PF-T8S-3.0	\$46.64								
3.3" OP Pipe (APY??	PF-B5-3.3	\$41.99	PF-T8S-3.3	\$46.64	FRF 0300	6400 00	*** **	446 50				
3" Nominal & 90mm Pipe	PF-B5-3.6	\$41.99	PF-T8S-3.6	\$46.64	EBF-0300	\$100.98	\$54.34	116.5%	FED 200 D	¢117.00	¢50.40	102 20/
3" Nominal & 90mm Pipe 3" LCX & 3" APT	PF-B5-3.6 PF-B5-3.8	\$41.99 \$41.99	PF-T10S-3.6 PF-T10S-3.8	\$57.54 \$57.54	EBF-0300	\$100.98	\$43.44	75 59/	FEB-300-R	\$117.00	\$59.46	103.3%
110 mm Pipe	PF-B5-3.8 PF-B6-4.4	\$41.99 \$49.76	PF-T105-3.8 PF-T105-4.4	-	EBF-0300	\$100.98	\$43.44	/5.5%	FEB-300	\$155.00	\$97.46	169.4%
4" FRP & Nominal & 4" APT Pipe	PF-B6-4.5	\$49.76	PF-T103-4.4 PF-T10S-4.5	-	EBF-0400	\$118.50	\$60.96	105 0%	FEB-400-R	\$161.00	\$103.46	179.8%
4 FRF & Nominal & 4 APT Pipe	PF-B6-4.5 PF-B6-4.8	\$49.76 \$49.76	PF-T103-4.5 PF-T10S-4.8	\$57.54 \$57.54	EDF-0400	\$118.50	\$00.90	105.9%	FEB-400-R	\$161.00	\$103.46	179.8%
125mm Pipe	PF-B6-5.0	\$49.76		-					120-400-1	\$101.00	Ş103.40	175.676
130mm Pipe	11-00-5.0	Ş 4 5.70	PF-T12S-5.2									
160mm Pipe			PF-T12S-6.3									
6" FRP & Nominal Pipe			PF-T12S-6.7		EBF-0600	\$232.90	\$92.97	66.4%				
				<i>q</i>_0 0.00	201 0000	<i>v</i> =v=iv=	<i>40</i> 1 07					
	* Threaded	Penetrati	on offered by	OPW								
				Other	r Considerations							
		Div	ersified			OPW	1			APT		
Flexible Studded Penetration Series			Yes			yes				Yes		
Flexible for sealing to round surfaces			Yes			no				no		
5						10						
with inserts for multiple sizes			Yes			-				n/a		
With integral reducers for Double wall pipe Yes			no			no						
Stainless Steel Air Test Valves			Yes			no)			no		
Sizes up to 8" Nominal		•	Yes			no)			no		
Rolling design for stress relieving		•	Yes			no	1			no		
Requires foam for installation			no			yes	5			no		
inverted fittings for easier installation		•	Yes			no	1			no		
Sizes for all flex, semi flex and rigid pipe	es	,	Yes			no				no		
Threaded Series			Yes			no	,			no		





Warranty

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