

**Guideline Specifications Reducers and Accessories****Guideline Specifications****Test Reducers & Accessories****About the Product**

Reducers, Inserts, Caps & Plugs are injection molded using UV resistant Alcryn. Test reducers include a air test valve, while terminating reducers do not have a test valve. The majority of reducers required today are provided with test valves. Reducers include a series 300 stainless steel "molded in" air test valve. Reducers are suitable for testing up to 35 PSIG. For applications with test pressures less than 10 PSIG reducers are be provided with standard Series 300 all stainless steel worm gear band clamps. For applications up to 35 PSIG provide "T" handle all stainless clamps are provided. Reducers shall be designed to center the primary pipe inside the secondary pipe.

Standard reducers are available for common sizes of domestic and metric double wall pipes. Custom reducers are also available for multiple outlet applications and some obsolete pipes and custom applications.

Inserts are used to adapt an existing product larger diameter product to a smaller diameter as required.

Caps are used to cap standard pipes using a injection molded Alcryn product with a stainless worm gear band clamp.

Air test valves manufactured from series 300 stainless steel. Test valves shall be designed with a barbed end for installation in injection molded "test" reducers. Air test valves shall have a core that may be removed in the field to create a drain. Test valves shall be designed to release air pressure by depressing the core. Valves shall have a threaded end that will mate to crossover bicycle style fittings and shall be provided with a plastic cap when shipped.

Plugs are used to seal an opening in a penetration fitting, reducer, sleeve or other similar product.

Guideline Specifications:**Test Reducers (PF-RAx.xASS)**

Provide as shown on the drawings or as otherwise specified Diversified's PF-RA series of test reducers. Test reducers shall be designed specifically to seal from the secondary pipe to the primary pipe. All test reducers shall have a molded in air valve design. Reducers with push in air valves are not acceptable. All air test valves shall be series 300 stainless. Brass air valves are not acceptable. Reducers shall be designed for testing up to 10 psig and shall be provided with series 300 all stainless worm gear band clamps.

Test Reducers High Pressure (PF-RA x.x HPASS)

Provide as shown on the drawings or as otherwise specified Diversified's PF-RA HP series of test reducers. Test reducers shall be designed specifically to seal from the secondary pipe to the primary pipe. All test reducers shall have a molded in air valve design. Reducers with push in air valves are not acceptable. All air test valves shall be series 300 stainless. Brass air valves are not acceptable. Reducers shall be designed for testing up to 35 psig and shall be provided with series 300 all stainless "T" handle band clamps.

Custom Test Reducers (PF-RAx.x ASS)

Provide as shown on the drawings or as otherwise specified Diversified's PF-RA series of custom test reducers. Custom Test reducers shall be available in the following sizes

3" FRP to two ¾", 1" or 1 ½" OPW C15 pipe

4" FRP to two 1" nominal pipes
4" FRP to one 1 ½" & one 1" pipes
Custom 3.9" reducers on the large end
Custom 4.9" reducers on the large end
Extra Long reducers for selected sizes.

Air Test Valves

Provide stainless steel air test valves for each reducer fitting installed. Test valves shall be series 300 stainless steel and shall mate to crossover bicycle fittings.

Inserts "Donuts" (PF-IA x.x)

Provide as shown on the drawings or as otherwise specified Diversified's PF-IA series of inserts. Inserts shall be designed to mate with penetration fittings and reducers manufactured by DPMI.

Caps (PF-IA Cap x.x)

Provide as shown on the drawings or as otherwise specified Diversified's PF-Cap series of pipe caps. Caps shall be designed to seal with up to 10 psig pressures. Caps shall be sealed with series 300 all stainless worm gear band clamps. Caps shall be available for the following pipe sizes: 2", 3", 4", 5" & 6" pipe.

Plugs (PF-IA Plug x.x)

Provide as shown on the drawings or as otherwise specified Diversified's PF-Plug series of plugs. Plugs shall be used to seal the ends of reducers, penetration fitting and sleeves as required to seal an opening. Plugs shall be available for 1", 2", 2.5" 3", 4" & 6" Penetrations and reducers.

Crossover Fittings

About the Product

Crossover fittings are designed to connect air test valves within a sump. Often lines entering and leaving a sump are terminated with a test reducer. A crossover fitting connects these test reducers and maintains the continuity of the interstice of the double wall piping systems. The crossover allows these double wall pipes to be connected for testing and monitoring purposes. In recent years ethanol in fuels has been leaking into sumps causing significant degradation of non stainless metallic parts. Diversified has developed a bicycle valve and connection to vinyl tubing to replace products previously supplied with brass components. Diversified provides crossover fittings with tees for testing more than two lines at one time. Additionally crossover fittings of any length are available.

Guideline Specifications (PF-Xover-2ft & PF-Xover-6ft)

Provide as shown on the drawings or as otherwise specified Diversified's PF-Xover series of crossover fittings. Crossover fittings shall be manufactured from fuel resistant Vinyl tubing with series 300 all stainless bicycle terminating fittings.

Crossover fitting shall be standard in 2ft and 6ft configurations. Each crossover fitting shall be terminated with a series 300 stainless steel barbed post mated to a series 300 stainless steel knurled nut with an o-ring seal. The crossover fittings shall mate to the stainless steel air valves supplied in test reducers manufactured by DPMI.

Guideline Specifications (PF-Xover-Test)

Provide as shown on the drawings or as otherwise specified Diversified's PF-Xover-Test fittings. Crossover Test fittings shall be manufactured as above. One end shall include a bicycle style fitting, while the second end will include a series 300 stainless steel barbed by threaded fitting for connection to an air compressor system for testing.

Shipping, Restrictions & Data

Follow all installation instructions for these products

Test Reducers, Inserts, Caps, Plugs and crossovers including air valves and bicycle fittings shall be made in the USA.

Test Reducers, Inserts, Caps, Plugs and crossovers shall be third party approved.