

Style 2971

Aquamine[®]
Plain-End PVC to HDPE
Transition Coupling

PRODUCT DESCRIPTION



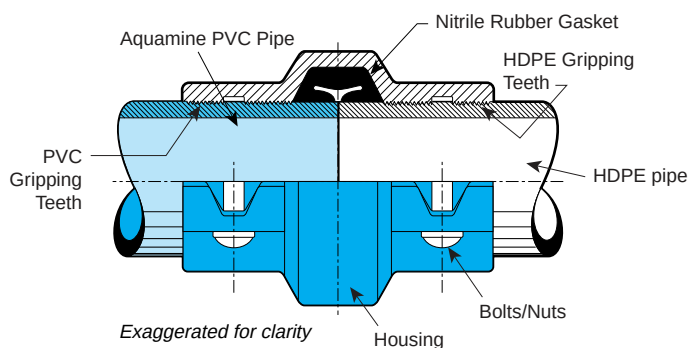
The Aquamine[®] Style 2971 transition coupling provides the convenience of bolted, mechanical assembly of plain-end PVC pipe, such as Aquamine, to plain-end high-density polyethylene (HDPE)/polybutylene pipe without special adapters. There is no solvent cement mess or lengthy cure times, and no butt fusion equipment is necessary.

For proper orientation during installation, the Style 2971 coupling is clearly marked “PVC SIDE” and “HDPE SIDE” on the outside of the housing. Integral rows of teeth on the HDPE side grip into the pipe, and diamond-shaped teeth safely grip into the PVC pipe as you tighten the bolts to achieve metal-to-metal contact at the pads.

Pipe preparation and coupling installation are fast and easy. The PVC and HDPE pipes need to be square cut and marked for insertion depth, according to the installation tag included with the product. To speed and ease installation, the coupling features a *Vic-Plus* gasket that requires no additional lubrication. The entire coupling assembly includes the *Vic-Plus* gasket, nuts, and bolts.

The rugged, ductile iron coupling is rated to 350 psi (2415 kPa) working pressure or the working pressure of the PVC pipe or HDPE pipe, whichever is lower. The Style 2971 is designed for use with Aquamine PVC pipe at ambient temperatures (not to exceed 140°F/60°C) or other PVC pipe that conforms to ASTM D-2241 or ASTM F-1785 at ambient temperatures (not to exceed 140°F/60°C). This product accommodates PVC pipe wall thickness from SDR 26 to SDR 12.4 and schedule 40 and schedule 80.

The HDPE pipe must conform to ASTM D-2447, ASTM D-3000, ASTM D-3035, or ASTM F-714 at ambient temperatures (not to exceed 140°F/60°C). In addition, this coupling accommodates HDPE wall thickness from SDR 32.5 to SDR 7.3.

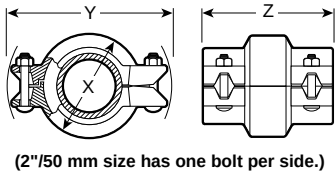


Housing – Durable ductile iron body for rugged service conditions. Integral gripping teeth provide connection to the pipe. Rust-resistant, blue enamel finish is standard. The ductile iron body conforms to ASTM A-395, grade 65-45-15, and ASTM A-536, grade 65-45-12.

Vic-Plus Gasket – Elastomer gasket with triple seal design provides a leak free seal for a wide variety of services. The Grade “T” nitrile gasket, (always refer to pipe manufacturer’s data for compatibility information) is suited for ambient water and petroleum services.

Bolts/Nuts – Zinc plated carbon steel bolts and nuts are supplied standard with Aquamine plain-end couplings. The four-bolt assembly speeds installation, versus solvent cement assembly or the multiple bolts required for flanged connections. Bolts have a minimum tensile strength of 110,000 psi.

DIMENSIONS



Nominal Size Inches mm	Diameter Inches/mm	Coupling Dimensions Inches/millimeters			Bolt/Nut No. – Size Inches	Approx. Weight Each Lbs./kg
		X	Y	Z		
2 50	2.375 60,3	3.64 92	5.94 151	3.62 92	2 – ½ × 2½	3.5 1,6
3 80	3.500 88,9	4.58 116	6.95 177	4.56 116	4 – ½ × 2¾	7.7 3,5
4 100	4.500 114,3	5.88 149	8.09 205	5.78 147	4 – ½ × 2¾	11.6 5,3
6 150	6.625 168,3	8.00 203	10.84 275	5.88 149	4 – ⅝ × 3¼	16.4 7,4
8 200	8.625 219,1	10.19 259	13.22 336	6.00 152	4 – ⅝ × 3¼	24.9 11,3

This product shall be manufactured by Victaulic Company. All products shall be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.