

Dielectric Pipe Unions

Controlling Current Flow

Just as with any electrical circuit, current provided by a cathodic protection system should be regulated to follow a specific electrical path. The installation of dielectric unions is one of the more common methods for electrically isolating cathodically protected gas, oil, and water piping. Corrpro stocks a wide assortment of dielectric unions for a variety of applications. They are made from malleable iron and forged steel, which is either galvanized or black-metal coated to protect against surface rust. To address a wide range of working pressures, the unions are offered with pressure ratings from 300 to 3,000 pounds per square inch. Electrical current flow is controlled by molded nylon sleeves and dielectric washers. These two insulators have a breakdown voltage of over 600 volts.

Corrpro insulating unions are made according to strict quality control standards. They meet the requirements for similar metals established by the American Society for Mechanical Engineers, and tensile strength standards set by the plumbing industry. The pipe threading in the unions also follows conventional plumbing specifications.



Typical Applications

Insulating unions are generally installed above ground to provide electrical isolation for well heads, regulator stations, and other pipeline applications. They not only control stray and cathodic protection current, but they also prevent the occurrence of dissimilar metal corrosion.

Authorized Distributor for the Following Manufacturers

EPCO
Central Plastics Company



Corrpro Companies Europe Limited

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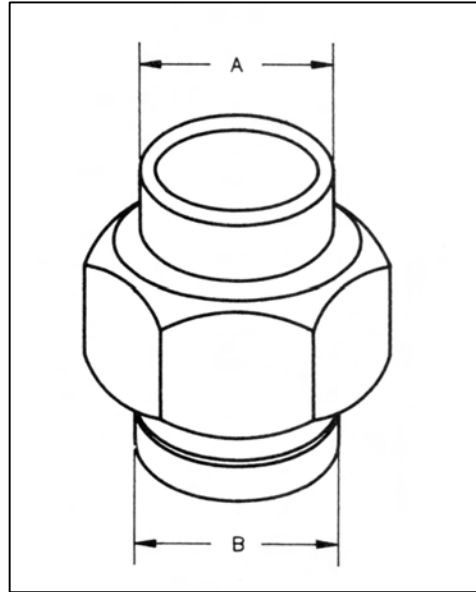
Fax: (01642) 614100 E-mail: ccel@corrpro.co.uk

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Ordering Procedure

Corrpro is an authorized distributor for several quality dielectric union manufacturers. To order the right union for your particular application, indicate that you need a dielectric union, and specify the brand, model, pipe thread size, and coating. An example is included to help illustrate this process.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	25
Brand	EPCO
Model	HA-B
Coating	Black Metal



Dielectric Union Order Information

MFG.	ORDER NUMBER OR STYLE	CONNECTION TYPE/METAL				PRESSURE lbs./in. ²	PIPE SIZES in.	COATING MATERIAL
		A		B				
EPCO	Model FX	Female	Iron	Solder	Copper	250	1/2, 3/4, 1, 1-1/4, 2	Galvanized
	Model EA	Female	Iron	Female	Brass	250	1/2, 3/4, 1, 1-1/4, 2	Galvanized
	Model FXS	Female	Brass	Solder	Copper	250	1/2, 3/4, 1	Galvanized
	Model FB	Male	Iron	Solder	Copper	250	1/2, 3/4	Galvanized
	<i>Model HA-B</i>	<i>Female</i>	<i>Iron</i>	<i>Female</i>	<i>Iron</i>	<i>250</i>	<i>1/2, 3/4, 1, 1-1/4, 1-1/2, 2</i>	<i>Black Metal</i>
	Model HA-6	Female	Iron	Female	Iron	250	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	Galvanized
Central	300 CWP "O" Ring Flat	Female	Iron	Female	Iron	150	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	Galvanized or Black Metal
	300 CWP Ground Joint	Female	Iron	Female	Iron	150	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	Galvanized or Black Metal
	600 lb. W.O.G. "O" Ring Flat	Female	Iron	Female	Iron	600	1-1/2, 2	Black Metal
	3,000 lb. W.O.G. "O" Ring Flat	Female	Iron	Female	Iron	3,000	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	Forged Steel
	3,000 lb. W.O.G. Ground Joint	Female	Iron	Female	Iron	3,000	1/4, 3/8, 1/2, 3/4, 1-1/4, 1-1/2, 2	Forged Steel



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