



## Dielectric (Insulated) Series Class 3000 and 6000 Unions

HART Industrial Dielectric O-Ring Unions are engineered to provide the most effective and efficient method of preventing electrolytic deterioration. The Union design provides insulation against galvanic corrosion and also breaks current flow eliminating any stray corrosion. The thermo-baked epoxy polymer coating provides >600 volts/mil dielectric resistance. All HART Unions are made in the USA!

### Standard O-Ring Union Features:

- **Turbulence Free:** All unions provide a turbulence-free fit across the seats
- **O-Ring Isolation:** The O-Ring seal is strategically located in the thread piece face eliminating O-Ring media contact and added protection against abrasives and erosion. A variety of O-Rings for any application are available.
- **Precision Machined Components:** All unions are precision machined to provide high quality and fail-safe leak proof reliability.
- **Interchangeable End Connections:** Threaded (female and male), socket weld, and butt weld ends are interchangeable. This feature reduces overall costs by eliminating unnecessary nipples, bushings, couplings and inserts.
- **Material Versatility:** Unions can be provided in all standard metals or combination of metals. This includes 304 Stainless, 316 Stainless, A105 Carbon Steel, Brass, Monel 400, Hastalloy, and Titanium.
- **Excellent Vibration Resistance:** Seals will not loosen, even under extreme pressure and pressure surges.
- **No Maintenance:** Once initial seal is made, no further tightening required.



### Dielectric Union Configurations:

| Configuration | Description                    | Class |
|---------------|--------------------------------|-------|
| D-3131        | FNPT x FNPT                    | 3000  |
| D-3132        | FNPT x MNPT                    | 3000  |
| D-3133        | FNPT x SW (PIPE Socket Weld)   | 3000  |
| D-3134        | FNPT x TUBE (TUBE Socket Weld) | 3000  |
| D-3135        | FNPT x BW (Butt Weld)          | 3000  |
| D-3136        | FNPT x SWEAT (Copper Sweat)    | 3000  |
| D-6161        | FNPT x FNPT                    | 6000  |
| D-6162        | FNPT x MNPT                    | 6000  |
| D-6163        | FNPT x SW                      | 6000  |
| D-6164        | FNPT x TUBE                    | 6000  |
| D-6165        | FNPT x BW                      | 6000  |

| Configuration | Description                    | Class |
|---------------|--------------------------------|-------|
| D-3231        | MNPT x FNPT                    | 3000  |
| D-3232        | MNPT x MNPT                    | 3000  |
| D-3233        | MNPT x SW (PIPE Socket Weld)   | 3000  |
| D-3234        | MNPT x TUBE (TUBE Socket Weld) | 3000  |
| D-3235        | MNPT x BW (Butt Weld)          | 3000  |
| D-3236        | MNPT x SWEAT (Copper Sweat)    | 3000  |
| D-6261        | MNPT x FNPT                    | 6000  |
| D-6262        | MNPT x MNPT                    | 6000  |
| D-6263        | MNPT x SW                      | 6000  |
| D-6264        | MNPT x TUBE                    | 6000  |
| D-6265        | MNPT x BW                      | 6000  |

Questions? Call us at 1-800-769-0503. Our Customer Service and Engineering Teams are available to assist you with any needs!