

Diaphragm Seals

ASH/PI-62

WELDING AN INSTRUMENT TO A DIAPHRAGM SEAL

An instrument welded to a diaphragm seal offers some very effective features and benefits that include:

- **Tamperproof All-Welded Construction**
 - For Safety & Longer Life
- **Dual Pressure Containment**
 - For Safety
 - Fewer Gauges Used, Saves \$
 - Increased Gauge Life In Severe Applications

Ashcroft offers variation XDU on all diaphragm seals which designates an instrument welded to the seal.

When specifying the XDU option, the instrument socket material must be compatible for welding to the seal top housing.

Adhere to the following guidelines:

- **Type 100, 200 And 300 Series Seals:** Due to heat caused by the welding that will cause the standard nickel plated top housing to flake, the standard nickel plated top housing is not available with the XDU option. Specify a 316 stainless steel top housing (XYT variation) for all materials except Monel. When a Monel instrument socket is required, specify the XYM option for a Monel top housing.
See the list price sheet for the optional top housing price adder.
- **All Other Seals:** When a Monel instrument socket is required, the seal top housing must also be Monel. All other instrument connection materials are compatible with the standard seal top housing.