

**PRODUCT INFORMATION**

**SPECIFICATIONS FOR**  
**ASHCROFT PRESSURE INSTRUMENT ISOLATION RING IN**  
**WASTE WATER TREATMENT PLANTS**

**To specify:**

Pressure instrument protectors shall be of the Ashcroft isolation ring type with integral instrument removal device.

**Construction**

Unit consists of a body, 360° flexible elastomeric cylinder with positive O-ring type sealing arrangement, captive fill fluid and two assembly flanges.

Includes integral instrument removal device to remove instrumentation without interrupting process flow. The isolation ring I.D. shall match the pipeline I.D. The isolation ring O.D. shall not exceed the I.D. of the piping flange bolt circle. Units are designed to fit 125#, 150# and 300# ANSI piping flanges.

**Function**

The process liquid pressure is transmitted through the flexible cylinder wall and the captive sensing liquid to the pressure instrument(s).

**Materials**

Body is carbon steel unless otherwise required. Two assembly flanges are carbon steel (standard), 316 S.S., chlorinated polyvinyl chloride (CPVC), or polypropylene (specify one). Flexible elastomeric cylinder is Buna "N," Silicone, Viton, white neoprene, natural rubber or Teflon (specify one). Captive sensing liquid is glycerin, Silicone or Halocarbon (specify one).

**Weight**

Weight in pounds not to exceed four times the nominal pipe size in inches (example: 8 inch unit not to exceed 32 lbs.).