

# PRODUCT SPECIFICATIONS

4"–12" Insta-Valve 250 — AIS Compliant

## Material Specifications:

**Body Armor Shields:** 16-gauge 304 stainless steel\*

**Body Mounting Bolts:** 304 stainless steel, 5/8-11 UNC6.

**Body Sealing Gasket:** BUNA-N rubber

**Body:** 304 stainless steel

**Bonnet and Body Mounting Nuts:** 304 stainless steel, nuts coated to prevent galling

**Bonnet Bolts:** 304 stainless steel, 5/8" UNC rolled thread

**Bonnet:** Epoxy-coated carbon steel

**Cartridge Seal:** EPDM

**Completion Pin:** 300 Series stainless steel, coated to prevent galling

**Completion Pin Washer:** BUNA-N rubber

**Completion Pin O-Ring:** BUNA-N rubber

**Completion Plug O-Ring:** BUNA-N rubber

**Auto Equalization Check Valve:** 304 stainless steel

**Completion Plug:** Reinforced composite polymer

**Flange O-Ring:** BUNA-N rubber

**Flange:** 304 stainless steel

**IV 250 Valve Cartridge:** Reinforced composite polymer

**Mounting Body – Bottom:**

4"–8" 14-gauge 304 stainless steel; 10"–12" 7-gauge 304 stainless steel

**Mounting Body – Top:**

4"–8" 11-gauge 304 stainless steel; 10"–12" 10-gauge 304 stainless steel

**Mounting Lugs:** 304 stainless steel

**Operating Nut:** Steel, cast

**Resilient Wedge:** Reinforced EPDM

**Stem Collar:** No lead brass

**Valve Body:** 304 stainless steel

**Valve Stem:** 304 stainless steel

**Washers:** 5/8" 304 stainless steel

\* For 4"–8" only, 10"–12" does not have require body armor shields.

## Design Specifications:

**Factory Pressure Test:** Each Insta-Valve 250 is pressure tested and serialized for traceability before leaving our manufacturing facility.

**Integrated Lifting Gussets:** Incorporated to facilitate safe handling.

**Insta-Valve 250 Valve Body Test and Working Pressures:** 250 psi working pressure. Maximum 375 psi valve body test pressure.

**Welds:** Welds fully passivated for improved corrosion resistance.

The 4"–12" Insta-Valve 250 is NSF/ANSI Standard 61 and NSF/ANSI Standard 372 to meet the regulatory requirements for the U.S. and Canada, assuring safe use in drinking water systems.

The Insta-Valve 250 Insertion Valve is manufactured in the USA and meets requirements specified in the "Build America, Buy America Act", "Buy American Act", "Buy America", and "American Iron and Steel" requirements.

Covered by United States Patent No. 9,829,141,B2 and United States Patent No. 9,644,779,B2. Additional patents pending. Specifications subject to change without notice.

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