

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: 304 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 "Buy American Act", "Made in USA", "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.

Publication Date: March 2021

