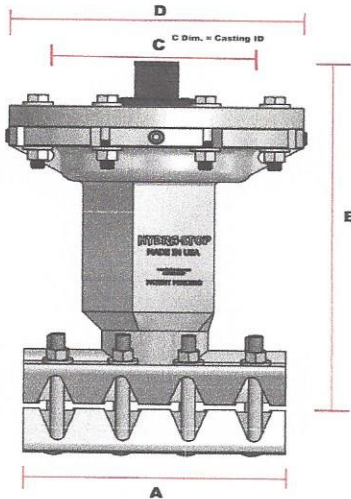
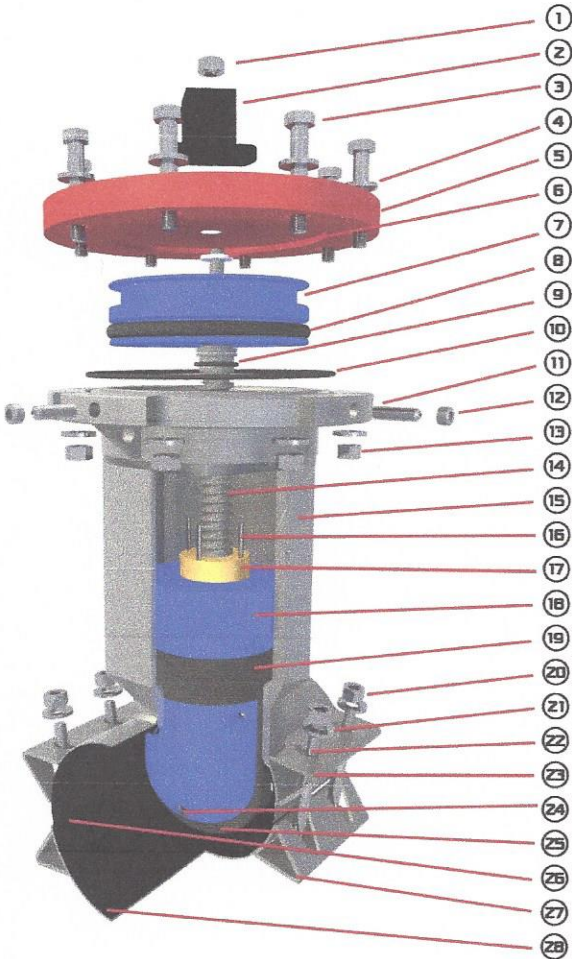


# IV 250 Patriot Series™

Valve Insertion System - 4, 6, 8, 10, 12 inch Nominal Sizes

## Product Cut Sheet - Insta-Valve 250 Patriot Series



### Other Specifications

Minimum Test Pressure: 1.5 times system working pressure

Maximum Test Pressure: 375 psi, Maximum Working Pressure: 250 psi

### IV 250 ASSEMBLY

ITEM	DESCRIPTION	MATERIAL	
1	OPERATING NUT ATTACHING NUT	304 STAINLESS STEEL - COATED TO PREVENT GALLING	1
2	OPERATING NUT	STEEL, CAST	1
3	BONNET BOLTS 4" - 8"	304 STAINLESS STEEL*	8
	BONNET BOLTS 10" - 12"	304 STAINLESS STEEL*	12
4	BONNET WASHERS 4" - 8"	304 STAINLESS STEEL*	16
	BONNET WASHERS 10" - 12"	304 STAINLESS STEEL*	24
5	BONNET	EPOXY COATED CARBON STEEL**	1
6	THRUST WASHER	TEFLON	1
7	COMPLETION PLUG	REINFORCED COMPOSITE POLYMER	1
8	COMPLETION PLUG O-RING	RUBBER, BUNA-N	1
9	VALVE STEM O-RING	RUBBER, BUNA-N	1
10	FLANGE O-RING 4-12"	RUBBER, BUNA-N	1
11	COMPLETION PLUG PINS 4" - 8"	SAE GRADE 8 STEEL, ZINC COATED	4
	COMPLETION PLUG PINS 10" - 12"	SAE GRADE 8 STEEL, ZINC COATED	6
12	PIN PLUGS 4" - 8"	304 STAINLESS STEEL	4
	PIN PLUGS 10" - 12"	304 STAINLESS STEEL	6
13	BONNET NUTS 4" - 8"	304 STAINLESS STEEL - COATED TO PREVENT GALLING*	8
	BONNET NUTS 10" - 12"	304 STAINLESS STEEL - COATED TO PREVENT GALLING*	12
14	VALVE STEM	304 STAINLESS STEEL	1
15	IV 250 PATRIOT SERIES BODY	304 STAINLESS STEEL	1
16	VALVE PIN 4" - 12"	STEEL, MILD	4
17	STEM COLLAR	NO LEAD BRASS	1
18	IV 250 CARTRIDGE	REINFORCED COMPOSITE POLYMER	1
19	CARTRIDGE SEAL	EPDM	1
20	BODY MOUNT NUTS 4" - 6"	304 STAINLESS STEEL - COATED TO PREVENT GALLING*	8
	BODY MOUNT NUTS 8"	304 STAINLESS STEEL - COATED TO PREVENT GALLING*	10
	BODY MOUNT NUTS 10" - 12"	304 STAINLESS STEEL - COATED TO PREVENT GALLING*	14
21	BODY MOUNT WASHERS 4" - 6"	304 STAINLESS STEEL*	8
	BODY MOUNT WASHERS 8"	304 STAINLESS STEEL*	10
	BODY MOUNT WASHERS 10" - 12"	304 STAINLESS STEEL*	14
22	BODY MOUNT CARRIAGE BOLTS 4" - 6"	304 STAINLESS STEEL*	8
	BODY MOUNT CARRIAGE BOLTS 8"	304 STAINLESS STEEL*	10
	BODY MOUNT CARRIAGE BOLTS 10" - 12"	304 STAINLESS STEEL*	14
23	MOUNTING BODY - TOP	304 STAINLESS STEEL*	1
24	WEDGE BOLT	STAINLESS STEEL 18-8	1
25	RESILIENT WEDGE	EPDM	1
26	BODY SEALING GASKET	RUBBER, BUNA-N	1
27	MOUNTING BODY - BOTTOM	304 STAINLESS STEEL	1
28	BOTTOM BODY SEALING GASKET 8" - 12" ONLY	RUBBER, BUNA-N	1

\* Domestic option available at additional cost.

\*\* Domestic Stainless Steel Flange option available at additional cost.

### Weights and Dims

Size	A	B	C	D	Approx. Weight
4"	12"	18.6	8.4	13.5	138 lbs
6"	12"	21.5	8.4	13.5	173 lbs
8"	16"	24.6	8.4	13.5	229 lbs
10"	24	30	17	19	370 lbs
12"	24	33	17	19	425 lbs

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Patents Pending

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Specifications subject to change without notice. CS-IV250PS-468-03-15-16



# Insta-Valve 250 Patriot Series™

## Valve Insertion System - 4, 6, 8, 10, 12 inch Nominal Sizes

### Material Specifications:

Body Armor Shields: 16 gauge 304 Stainless Steel (4 - 8" only).

Body Mounting Bolts: 304 Stainless Steel. 5/8-11 UNC6. Optional Domestic 304 Stainless Steel 5/8-11 UNC6 available.

Body Sealing Gasket: BUNA-N Rubber.

Body: 304 Stainless Steel.

Bonnet and Body Mounting nuts: 304 Stainless Steel. Nuts coated to prevent galling. Optional Domestic 304 Stainless Steel available.

Bonnet Bolts: 304 Stainless Steel. 5/8" UNC rolled thread. Optional Domestic 304 Stainless Steel available.

Bonnet: Epoxy coated carbon steel. Optional Domestic 304 Stainless Steel available.

Cartridge Seal: EPDM

Completion Pin Plugs: 304 Stainless Steel. Coated to prevent galling.

Completion Plug O-ring: BUNA-N Rubber.

Completion Plug Pins: SAE Grade 8. Zinc coated to prevent corrosion.

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.

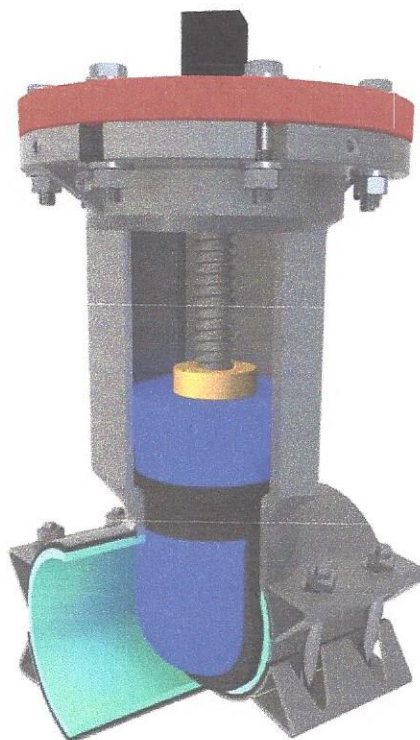
Resilient Wedge: Reinforced EPDM.

Stem Collar: No Lead Brass.

Valve Body: 304 Stainless Steel

Valve Stem: 304 Stainless Steel.

Washers: 5/8" 304 Stainless Steel. Optional Domestic 304 Stainless Steel available.



### Design Specifications:

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

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

**IV 250 Test and Working Pressures:** 250 psi working pressure. 375 psi test pressure max.

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

The 4-12" IV 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 IV 250 Patriot Series Insertion Valve is manufactured in the USA. Meets American Iron and Steel Requirement (Public Law 113-76) and fulfills requirements specified in additional "Buy American" legislation. Meets "Made in USA" and "Buy America" requirements with the additional purchase of stainless steel domestic hardware.

Patents Pending

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Specifications subject to change without notice. Revision: SPEC-IV250PS--02-20-17