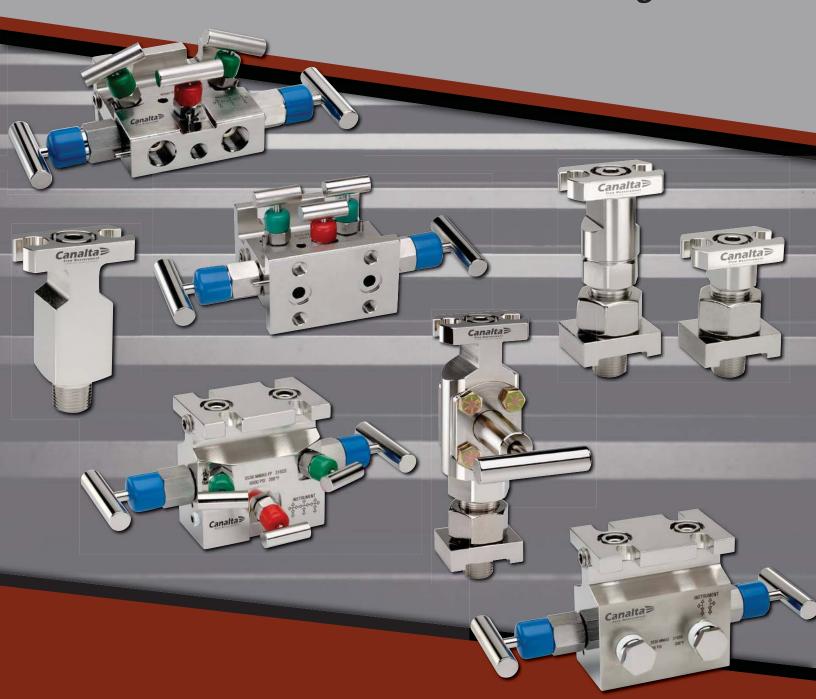


Valves & Accessories Catalog



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Canalta's Three Year Warranty applies to all needle and manifold valves. Canalta guarantees all products to be free from defects in material and workmanship, to remain within catalogued accuracy specifications, and to operate within the catalogued performance specifications. These products must be operated within the catalogued environmental and application parameters. Determination of failure will be made by Canalta, Inc.'s equipment and personnel or a certified test facility specializing in this type of evaluation.

THE CANALTA ADVANTAGE

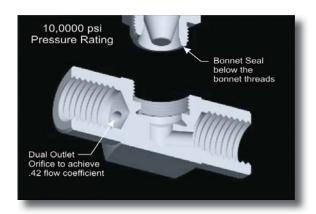
CANALTA VALVES PATENTED FOR SUPERIOR DESIGN

Canalta has been awarded a patent for our innovative valve design, which features a unique body-to-bonnet, metal-to-metal seal that significantly increases the pressure range of the valve without compromising the flow coefficient. This design also helps maintain the integrity of the bonnet threads by segregating them from the process media. (Patent No. US 7,758,014)

The body seal incorporates a dovetail undercut below the seal that improves the metal-to-metal contact forces as pressures increase, as well as a dual outlet orifice to maximize fluid flow. These novel design features increase the pressure limits of the valve to 10,000 psi, which is significantly higher than similar sized miniature needle valves.

Canalta valves are built for maximum durability and performance in the toughest applications. They are also available with zinc-nickel plating, which provides one of the highest levels of corrosion resistance available on the market today. All Canalta valves are 100% helium leak tested to 1×10^{-4} ml/s for guaranteed performance and reliability.

Canalta valves that incorporate this patented design include our 100 Series hard seat mini valves, 800/850 Series bleed valves, all 2-valve block and bleed valves along with 5-valve manifolds. Watch the video on this patented valve design by scanning the QR code below.



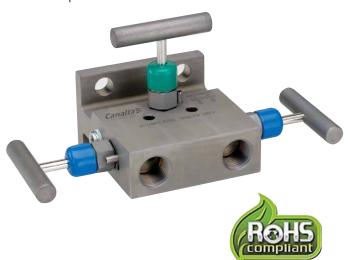
SUPERIOR CORROSION-RESISTANT ZINC-NICKEL PLATING ON ALL CARBON STEEL CANALTA VALVES

A significant number of high profile international aerospace and automotive companies have made the switch to zinc-nickel plating for their components over the last decade, so we decided to put this plating to the test for ourselves.

In a certified test by an independent lab, two samples were subjected to 1,000+ hours of exposure to a 5% salt spray (fog) environment in a test chamber operated and maintained in accordance with ASTM B-117-07a. The zinc-nickel plated sample showed no visible corrosion on the part after 1,000+ hours of exposure. Internal tests yielded the same results after being submerged for 3,500 hours in a 10% salt solution. The zinc-nickel plated valves far outperformed the electroless nickel and cobalt plated valves in terms of corrosion resistance. Because of these impressive results, all carbon steel Canalta needle and manifold valves now utilize this material as standard plating to withstand and endure in the harshest environments.

Improvements in corrosion protection have become increasingly important for outdoor applications, where traditional platings have limited performance capabilities. In addition to its excellent corrosion resistance (higher than any other sacrificial alloy), zinc-nickel plating provides increased deposit hardness which results in extended wear resistance and longer service life – an ideal quality for most industrial applications. It is also WEEE and RoHS compliant.

Note: Colors may vary due to normal process variation and will not affect the performance of the valve.



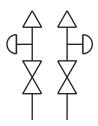


2-Valve Natural Gas Manifold Valves Large Bore, Angle (0.375" Orifice)



- Designed for use with differential pressure transmitters incorporating two isolation valves in natural gas applications
- · Non-rotating stem tip standard on large bore isolation valves
- 100% helium leak tested to 1 x 10⁻⁴ ml/s for guaranteed performance and reliability
- Soft seat design has 6,000 psi pressure rating @ 200 °F
- Features a replaceable Delrin® seat, and straight through porting for easy roddable cleaning of the block valves
- Blow-out proof stem provides a secondary stem seal in the full open position
- FKM o-ring seal and PTFE back-up ring below the stem threads to protect from corrosion and galling
- All stems are 316 stainless steel
- All stem threads are rolled for strength and ease of operation
- One-piece bonnet with a metal-to-metal seal to the valve body below the bonnet threads
- Slotted spring pin to prevent accidental loosening
- Color coded vinyl dust caps for bonnets and stems
- Rod Out Ports and Drain Ports are standard on the 90° Angle design

Flow Schematic



SPECIFICATIONS	
Materials	Zinc-nickel plated steel, electropolished 316 stainless steel*
Connections	Flange-flange 90° angle
Pressure ratings	6,000 psi @ 200 °F
Orifice size	0.375"
Flow coefficient	C _V 3.0
Stem seal & type	All 316 stainless steel stems with FKM o-ring and PTFE back-up ring below the threads
Additional features	Two static (test) ports, color coded vinyl bonnet and stem dust cap, patented soft tip stem design on equalizing and vent valves
Weight	Approximately 9.4 lb.

^{*} All 316SS products meet the requirements of NACE MR0175/ISO 15156-3.