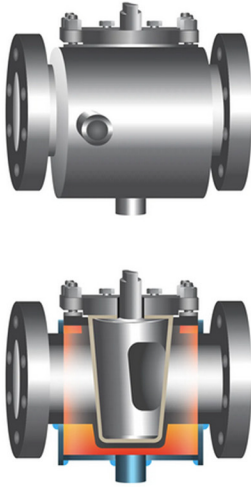




**STEAM JACKETED VALVES  
FABRICATION & MODIFICATION**

**Contact the  
valve experts now!  
(713) 898-8694**

## **Steam Jacketed Valve Configurations**



### **Partial Jacketed Valve Type "A" - Standard Flange**

In this design, only the mid-section of the jacketed valve experiences direct heat transfer. The flange areas within the design are heated indirectly. The flange bolt-up is performed by a clearance between the flange and the jacket. When full jacketing is not needed, a partial jacketed valve is an effective way to keep products flowing.

**NPS (Nominal Pipe Size):** 1.5", 2", 3", 4", 6", 8", 10", 12", 14"

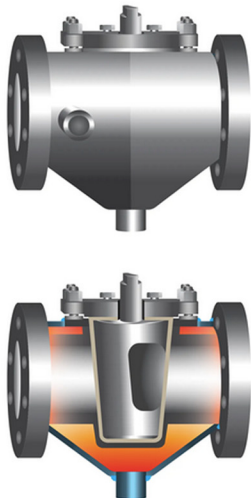
**DN (Diamètre Nominal):** DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN350

**THERMAL PORTS:** 1/2"-3" valves: 1/2" FNPT, 4"-6" valves: 3/4" FNPT, 8"+ valves: 1" FNPT Bonnet Jackets for Gate, Globe & Swing Check valves; flanged and other port types available.

**COMPLIANCE:** ASME B16.10, ASME B16.34, ASME B31.1, ASME B31.3, API 598

**MATERIAL:** Steel, Stainless Steel & Higher-Grade Nickel-Based Alloys

**INDUSTRY USE:** Oil & Gas, Petrochemical, Asphalt Processing, Chemical, Sulfur Recovery & Processing, Resins, Polymers, & Plastics



### **Full Jacketed Valve Type "B" - Oversized Flange**

This design permits steam to make contact with the valve body in addition to the area of the flange within the bolt circle. Oversized flanges are the standard for this option. Specifically, flanges should be one full size above the valve size. The final end-to-end dimensions of the jacketed valve are then compliant with the ANSI / ASME B16.10 standard for those oversize flanges. Variations on these standard designs and dimensions can be configured to meet any process requirement.

**NPS (Nominal Pipe Size):** 1.5", 2", 3", 4", 6", 8", 10", 12", 14"

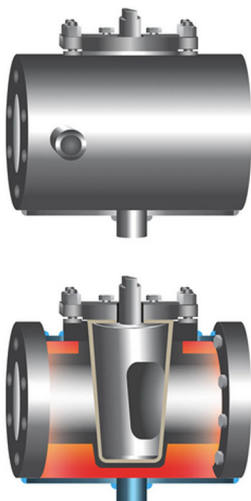
**DN (Diamètre Nominal):** DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN350

**THERMAL PORTS:** 1/2"-3" valves: 1/2" FNPT, 4"-6" valves: 3/4" FNPT, 8"+ valves: 1" FNPT Bonnet Jackets for Gate, Globe & Swing Check valves; flanged and other port types available.

**COMPLIANCE:** ASME B16.10, ASME B16.34, ASME B31.1, ASME B31.3, API 598

**MATERIAL:** Steel, Stainless Steel & Higher-Grade Nickel-Based Alloys

**INDUSTRY USE:** Oil & Gas, Petrochemical, Asphalt Processing, Chemical, Sulfur Recovery & Processing, Resins, Polymers, & Plastics



### **Full Jacketed Valve Type "C" - Standard Flange (Line Size Jacket)**

Standard flanged valves can be jacketed by welding blind, tapped inserts into the oversized bolt holes on the flange. Then, the jacket is welded to the periphery of the flanges. Threaded studs are the standard for installation in this design. The steam or other heating media makes contact with the flanges and the exterior of the valve body.

**NPS (Nominal Pipe Size):** 1.5", 2", 3", 4", 6", 8", 10", 12", 14"

**DN (Diamètre Nominal):** DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN350

**THERMAL PORTS:** 1/2"-3" valves: 1/2" FNPT, 4"-6" valves: 3/4" FNPT, 8"+ valves: 1" FNPT Bonnet Jackets for Gate, Globe & Swing Check valves; flanged and other port types available.

**COMPLIANCE:** ASME B16.10, ASME B16.34, ASME B31.1, ASME B31.3, API 598

**MATERIAL:** Steel, Stainless Steel & Higher-Grade Nickel-Based Alloys

**INDUSTRY USE:** Oil & Gas, Petrochemical, Asphalt Processing, Chemical, Sulfur Recovery & Processing, Resins, Polymers, & Plastics