4” Steam Jacketed OS&Y Hydrolet Valve

Outside Screw and Yolk (OS&Y) Style

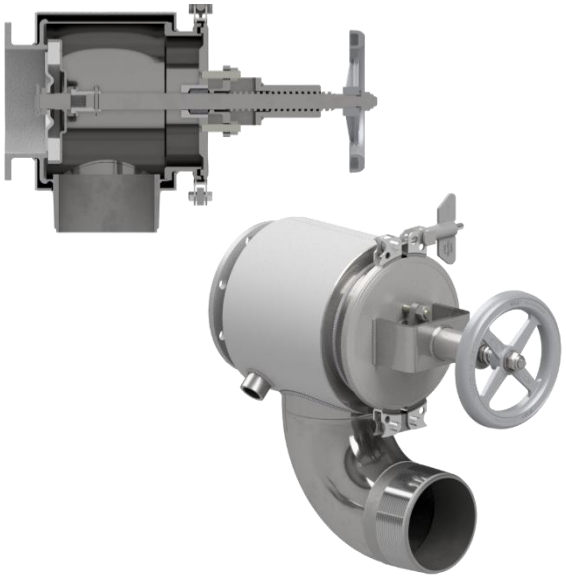
The Betts 4” Steam Jacketed Outside Screw and Yolk (OS&Y) Hydrolet is a manually operated loading/unloading stop-valve typically used in conjunction with a primary self-closing stop-valve on DOT407 and 412 cargo tanks.

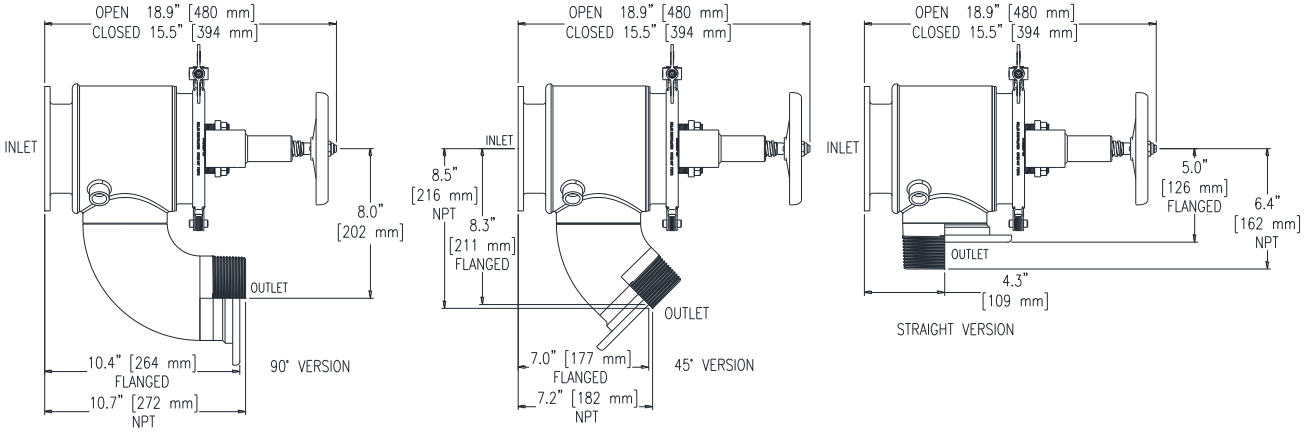
The Steam Jacketed OS&Y Hydrolet offers the same features as the standard OS&Y Hydrolet but with the added advantage of providing a method to circulate heated fluid around the valve for applications where a temperature-sensitive product may solidify in the valve if it cools. The jacket material is 304 stainless steel and the two steam fittings are ¾” NPT female couplings. The large 4” design provides increased flow compared to the smaller 3” valve

The main valve body is constructed from durable 316 stainless steel, making it ideal for use on transport tanks hauling a variety of products. The valve is available in 90-degree, 45-degree and straight outlet configurations, with either flanged or threaded outlet options.

The Betts Hydrolet is the industry standard with a reputation for performance and reliability, offering unmatched quality and backed by exceptional customer service.

Maximum allowable working pressure (MAWP): **35 psi [2.4 bar]. *** Steam Jacket MAWP: **150 psi [10.3 bar].**





See section 10 Page 4E for parts list.

Assembly Part Number **	Description	Inlet Flange	Outlet Configuration	Outlet Angle	Disc Seal Material **	Weight
JY704SST	4” 90° Steam Jacket OS&Y Flg. Outlet	4” TTMA (8 Holes on 5.88” B.C.) [149.2 mm]	Flanged (4" TTMA)	90° Elbow	PTFE	27.5 lbs. [12.5 kg]
JY714SST	4” 90° Steam Jacket OS&Y Thrd. Outlet		Threaded (4" NPT)	90° Elbow	PTFE	27.5 lbs. [12.5 kg]
JY764SST	4” 45° Steam Jacket OS&Y Flg. Outlet		Flanged (4" TTMA)	45° Elbow	PTFE	26.0 lbs. [11.8 kg]
JY774SST	4” 45° Steam Jacket OS&Y Thrd. Out.		Threaded (4" NPT)	45° Elbow	PTFE	26.0 lbs. [11.8 kg]
JY724SST	4” Straight Steam Jacket OS&Y Flg. Out.		Flanged (4" TTMA)	Straight	PTFE	24.2 lbs. [11.0 kg]
JY734SST	4” Straight Steam Jacket OS&Y Thrd. Out.		Threaded (4" NPT)	Straight	PTFE	24.4 lbs. [11.1 kg]

* Values shown are test values and actual values may vary due to service conditions.

** Last letter of part number designates seal material.

** Disc Seal Material	Temperature Rating *
A = Non- Asbestos	-20°F to +500°F [-29°C to 260°C]
T = PTFE	-20°F to +400°F [-29°C to 204°C]
V = FKM (Type A)	0°F to +400°F [-18°C to 204°C]
B = Nitrile (Bunna-N)	-40°F to +230°F [-40°C to 110°C]

WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov

Designed, engineered and manufactured in the USA.