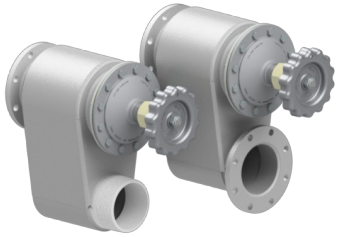
# 3” Bolted “T” Style Hydrolet Valve



The Betts Bolted “T” Style Hydrolet is a manually operated loading/unloading stop-valve commonly used as a side discharge valve on cargo tanks hauling elevated temperature products. The bolted bonnet allows for removal of the stem and disc holder for repairs, cleaning or inspection.

The valve body is available in aluminum or steel with various seal materials offered.

Maximum working temperature dependent on body material:
375°F [191°C] for aluminum valves.
500°F [260°C] for steel valves.

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

| Assembly Part Number ** | Description | Inlet Flange | Outlet Configuration | Body Material | Disc Seal Material ** | Weight |
|---|---|---|---|---|---|---|
| FB743MSA | 3" Steel with Flanged Outlet | 3" TTMA (8 Holes on 4.88" B.C.) [123.8 mm] | Flanged (3" TTMA) | Steel | Non-Asbestos | 17.3 lbs. [7.8 kg] |
| FB743ALA | 3" Aluminum with Flanged Outlet | 3" TTMA (8 Holes on 4.88" B.C.) [123.8 mm] | Flanged (3" TTMA) | Aluminum | Non-Asbestos | 8.3 lbs. [3.8 kg] |
| FB753MSA | 3" Steel with Threaded Outlet | 3" TTMA (8 Holes on 4.88" B.C.) [123.8 mm] | Threaded (3" NPT) | Steel | Non-Asbestos | 17.3 lbs. [7.8 kg] |
| FB753ALA | 3" Aluminum with Threaded Outlet | 3" TTMA (8 Holes on 4.88" B.C.) [123.8 mm] | Threaded (3" NPT) | Aluminum | Non-Asbestos | 8.3 lbs. [3.8 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 | Seal 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] |

***Engineering Bulletins***

EB-03-18:Procedure for Pneumatic Leak Test of Hydrolet Valve (Pre-Load Qualification)

EB-09-99: Q.R.B. Hydrolet Clamp Ring Installation and Torque Rating.

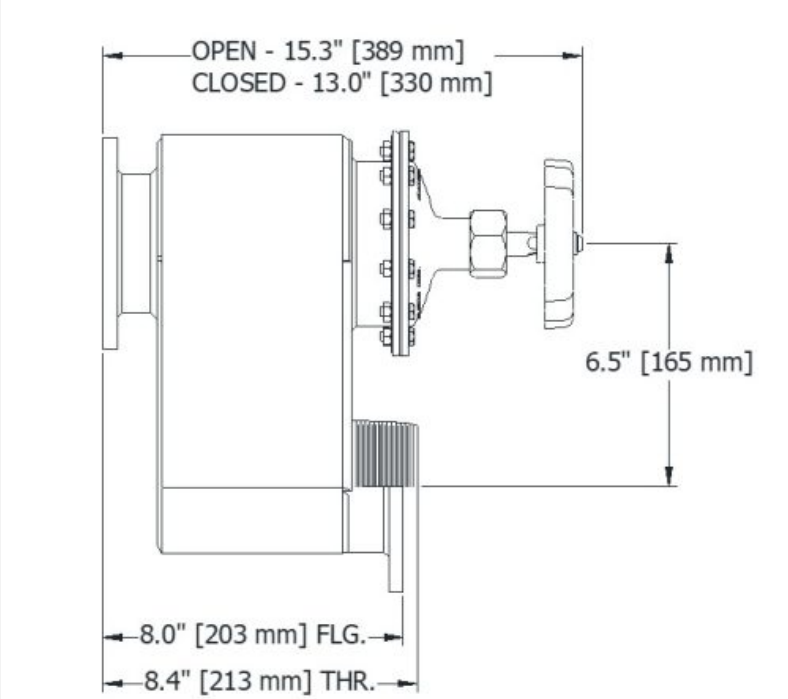
EB-05-25: New Tophead O-ring Seal on 3" & 4" Hydrolet Valves

***Installation and Maintenance Manual***

MM-HY005: Quick Release Bonnet Hydrolet Maintenance Manual

***Instructional Videos***

No video available at this time.




**FB743 & FB753 Dims.**

Teflon Accordion Packing

⚠ **WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov. For additional information on Betts products and Proposition 65 list please see: http://www.bettsind.com/prop-65/**