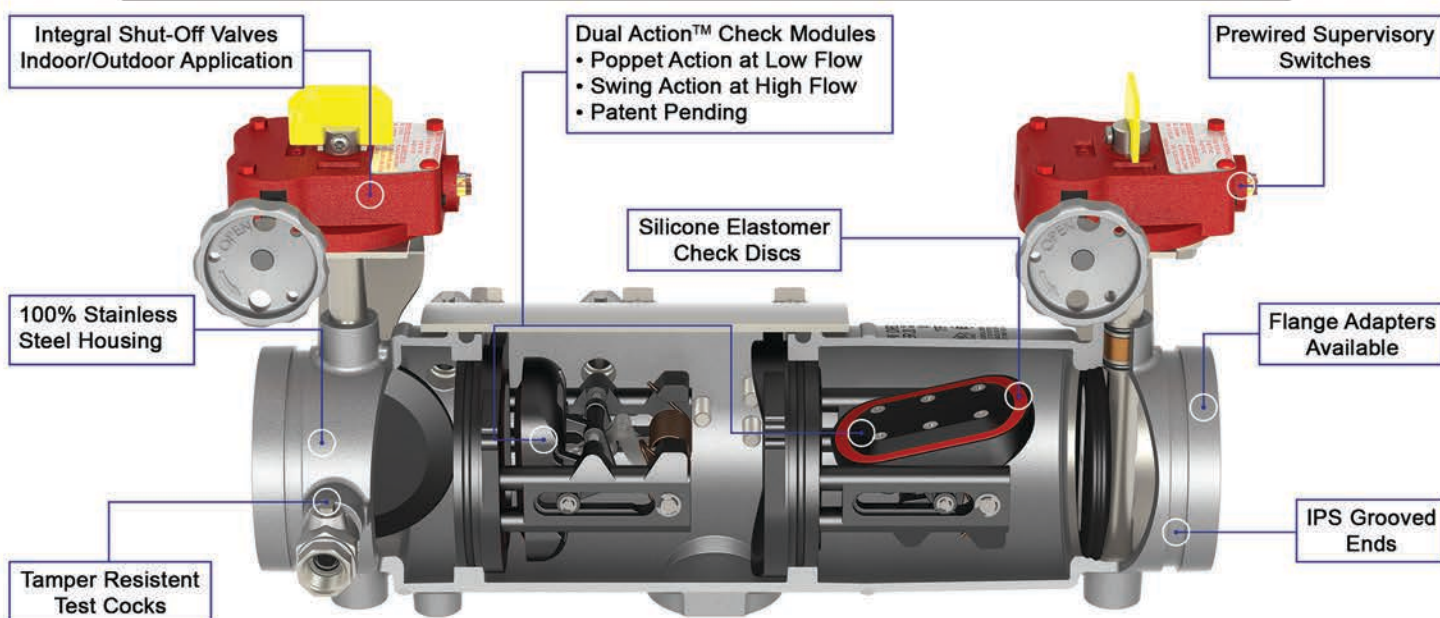
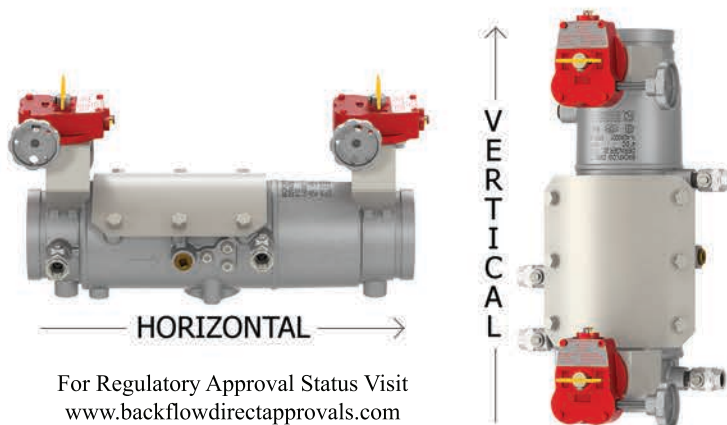


The Deringer 20 Double Check Valve Assembly is designed to prevent non-health hazard pollutants from entering the potable water supply system caused by backpressure and/or backsiphonage conditions.

Sizes: 2½", 3", 4", 6", 8"
Working Pressure: 10-175psi (0.7-12.1 bar)
Temperature Range: 33°-140°F (1°-60°C)
End Connections
 - IPS Groove for Steel Pipe: AWWA C606
 - Flange Adapters: ANSI B16.1 Class 125
Lead Free: 0.25% Maximum by Weight



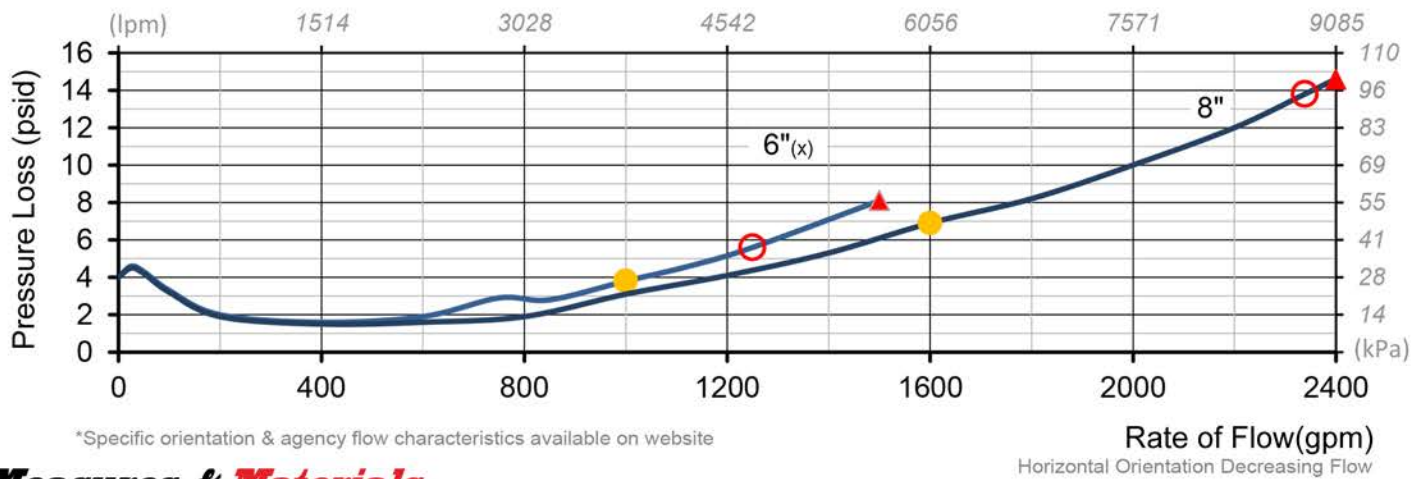
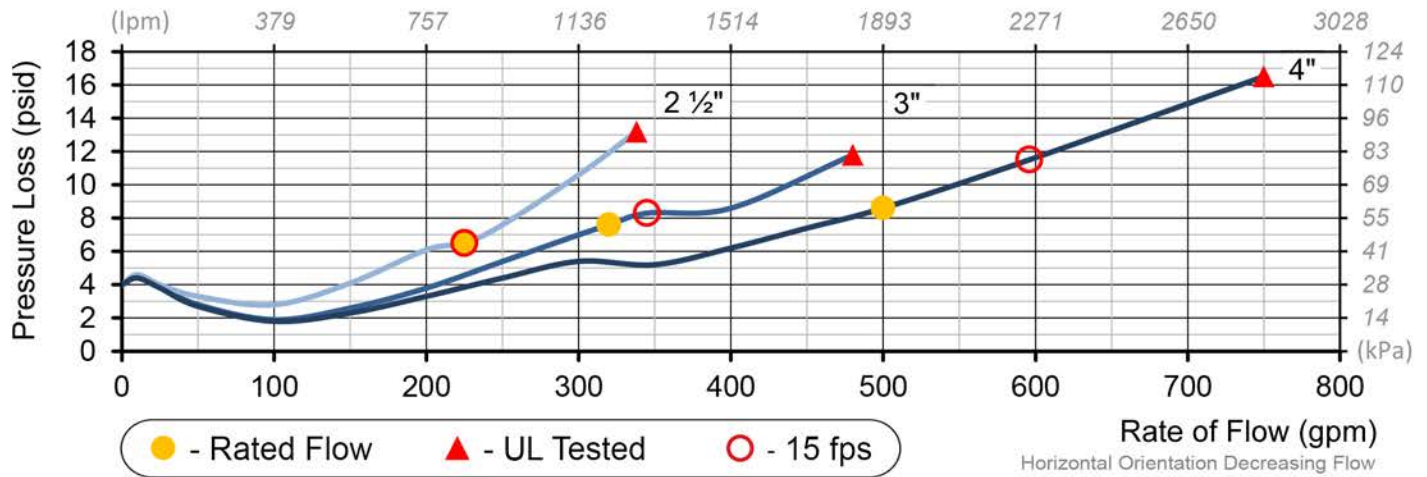
Engineering Specifications

The Deringer 20 Double Check Valve shall utilize two independent Dual Action Check modules and two integral resiliently seated shut-off valves all of which shall be contained within a single rigid valve housing constructed entirely of 304 stainless steel. Both integral shutoff valves shall include pre-wired supervisory tamper switches contained within a weatherproof actuator housing approved for both indoor and outdoor use. Dual Action Check modules shall operate as a "poppet style" check under low flow conditions, operate as a "swing style" check under high flow conditions and utilize replaceable silicone elastomer sealing discs. Assembly test cocks shall be handle-less and operate via a tamper resistant actuator. Assembly shall have a single full access service port and cover with an "inline" replaceable elastomer seal. Assembly shall be serviceable without special tools and approved for both horizontal and vertical applications.

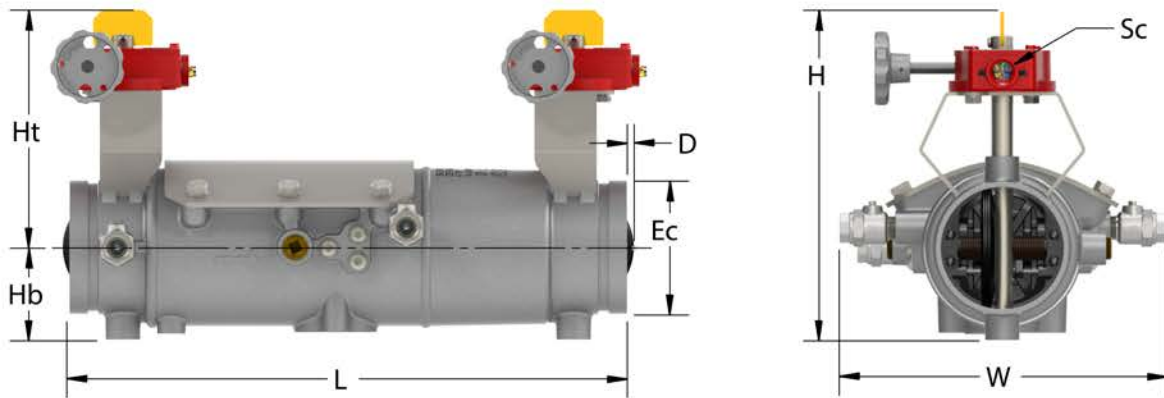
Job Name: _____
Job Location: _____
Engineer: _____
Approval: _____

Contractor: _____
Approval: _____
Contractor's P.O. No: _____
Representative: _____

Flow Performance



Measures & Materials



Size	Ht	Hb	L	Ec	D	H	W	Weight	Sc
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs kg	NPT
2 1/2 65	7.1 180	2.9 74	18.7 475	2 1/2 65	0.0 0	10.0 254	11.0 279	38 17	1/2"
3 80	7.4 188	2.9 74	18.7 475	3 80	0.0 0	10.3 262	11.0 279	40 18	1/2"
4 100	7.9 201	3.1 79	18.7 475	4 100	0.2 5	11.0 279	11.0 279	42 19	1/2"
6 150	8.7 221	4.8 122	28.4 721	6 150	1.0 25	13.5 343	13.8 351	122 55	1/2"
8 200	10.4 264	5.4 137	30.7 780	8 200	1.8 46	15.8 401	13.8 351	141 64	1/2"

Valve Housing: 304 Stainless Steel
Valve Cover: 304 Stainless Steel
SOV Disks: EPDM/304SS
SOV Shafts: 304 Stainless Steel

SOV Bearings: Teflon/Bronze
Non Wetted Bolts: Grade 8 Zinc Plated
Wetted Fasteners: 18-8 Stainless Steel
Check Disks: Silicone (NSF)

Check Springs: 17-7 Stainless Steel
Check Pins: 17-7/18-8 Stainless Steel
Check Seats: Noryl Polymer (NSF)
O-Rings: Buna-N (NSF)