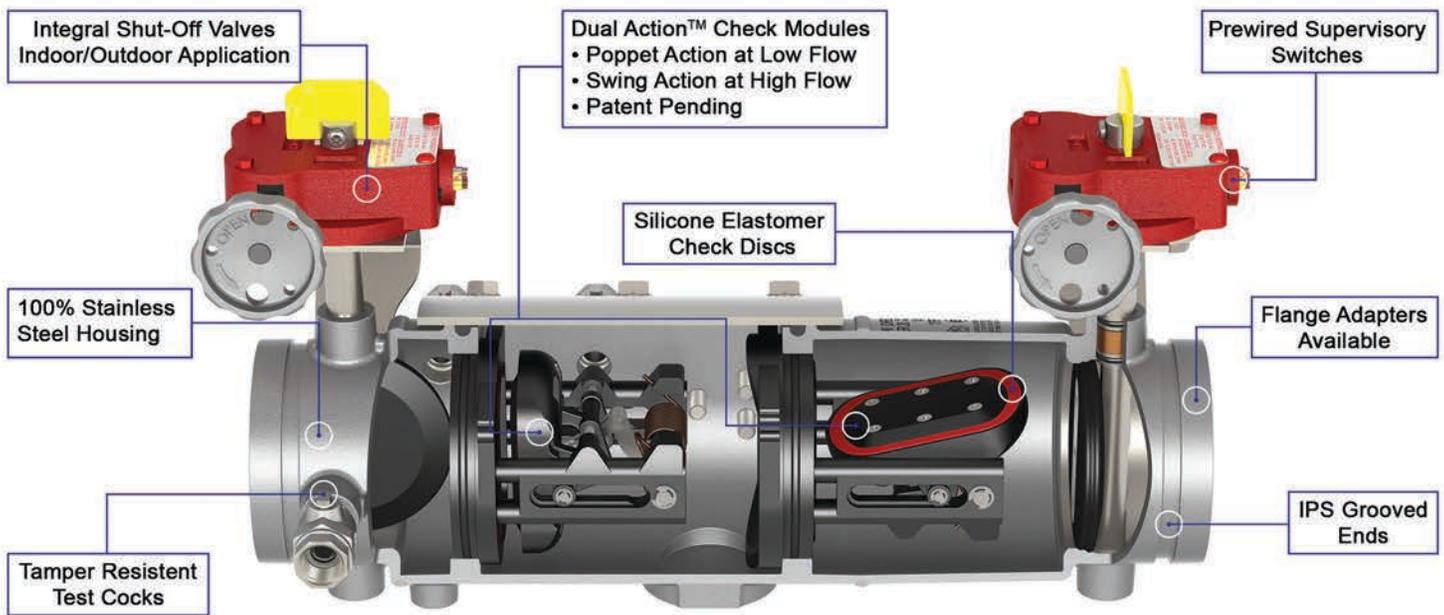
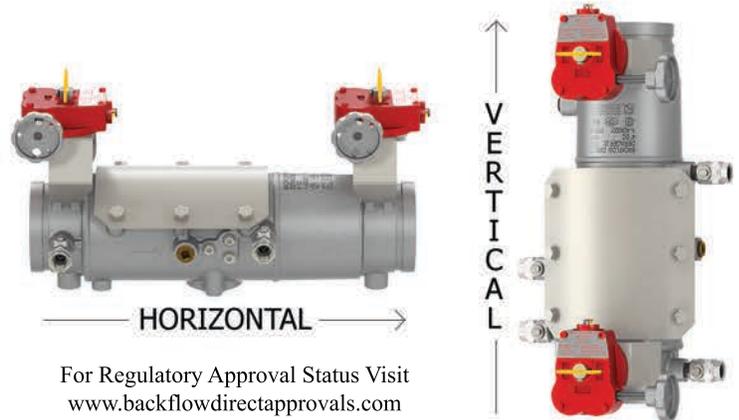


The Deringer 20 Double Check Valve Assembly is designed to prevent non-health hazard pollutants from entering the potable water supply system caused by backpressure and/or backsiphonage conditions.

- 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



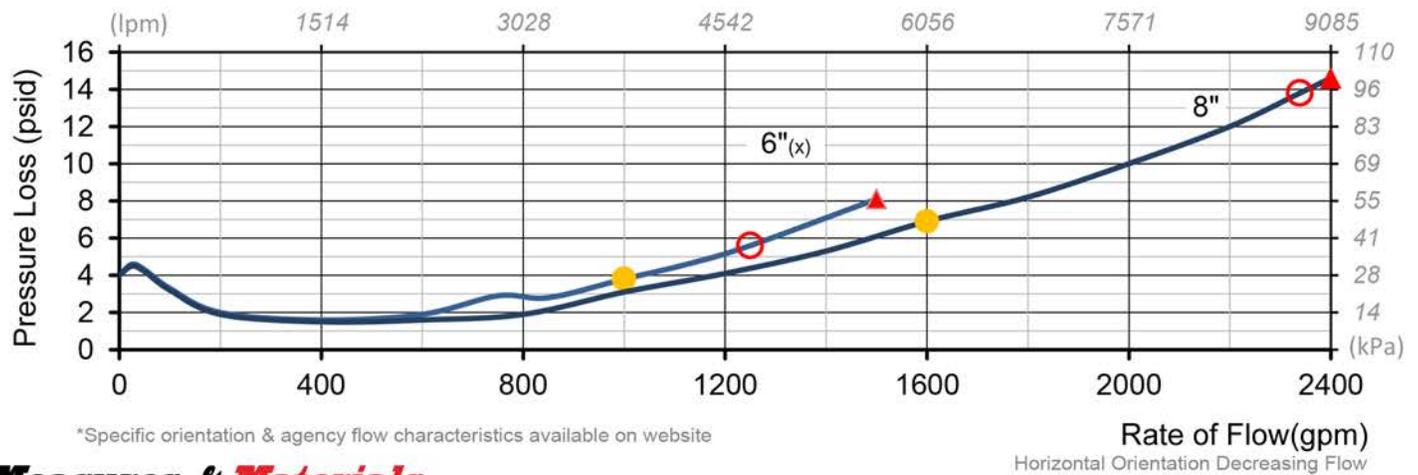
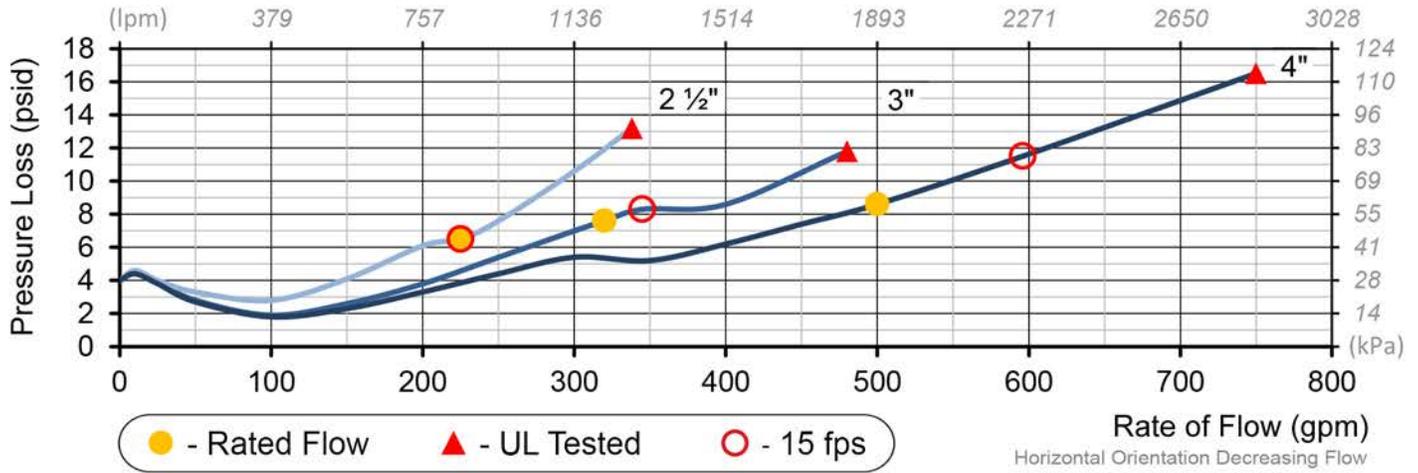
## Engineering Specifications

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:** \_\_\_\_\_

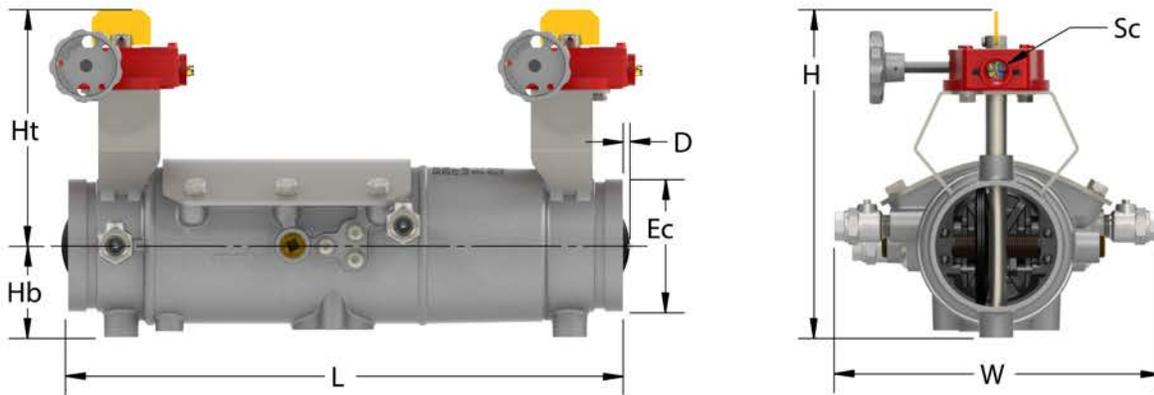
**Contractor:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Contractor's P.O. No:** \_\_\_\_\_  
**Representative:** \_\_\_\_\_

# Flow Performance



\*Specific orientation & agency flow characteristics available on website

# 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)