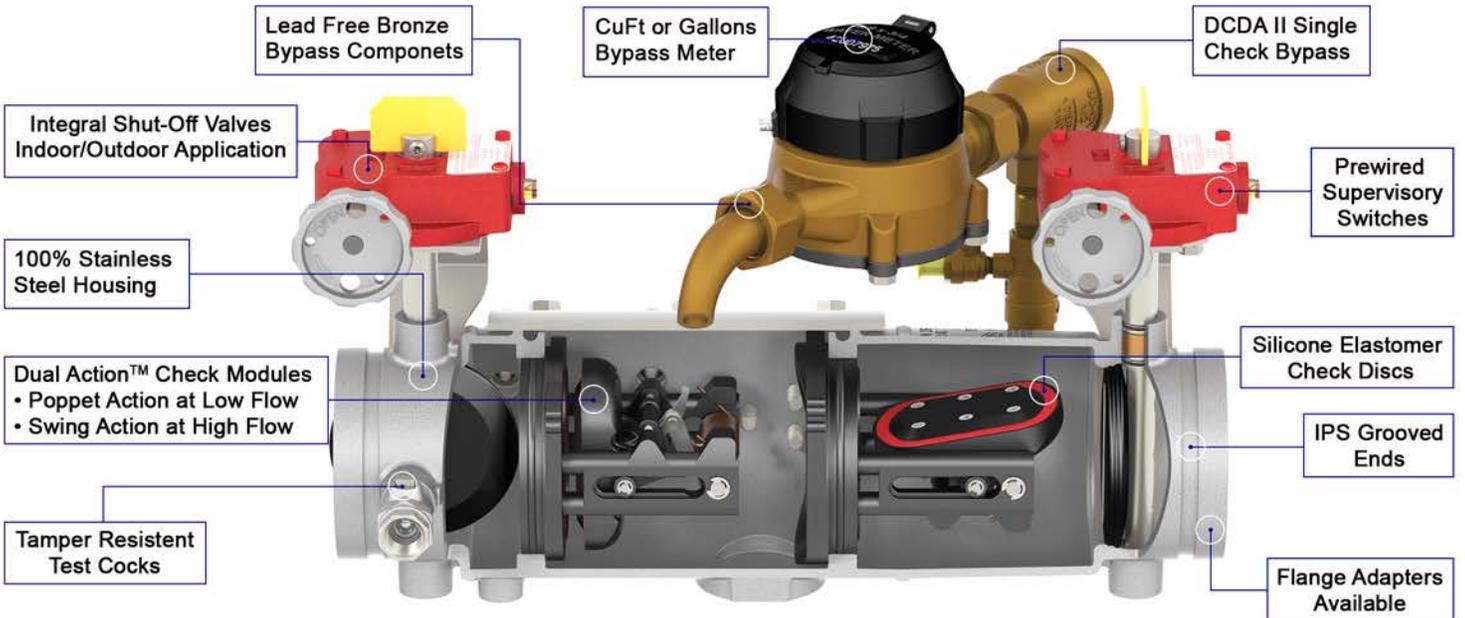
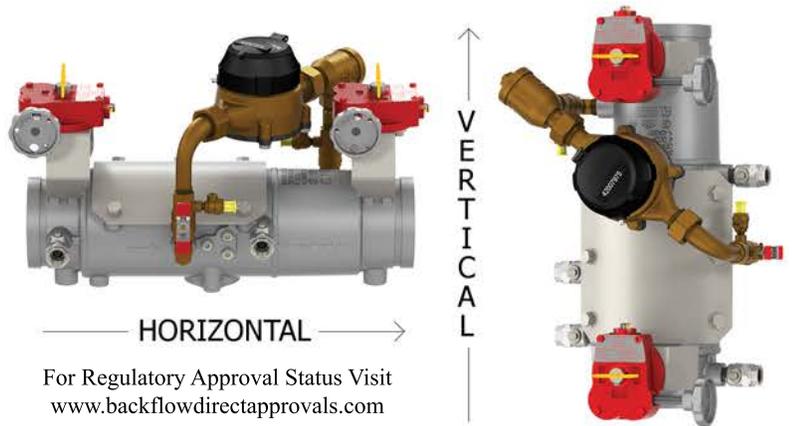


The Deringer 30 Double Check Detector Assembly prevents non-health hazard pollutants from entering a potable water supply system when backpressure and/or backsiphonage conditions occur. Used primarily on fire sprinkler systems when monitoring of unauthorized water use is required.

- 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



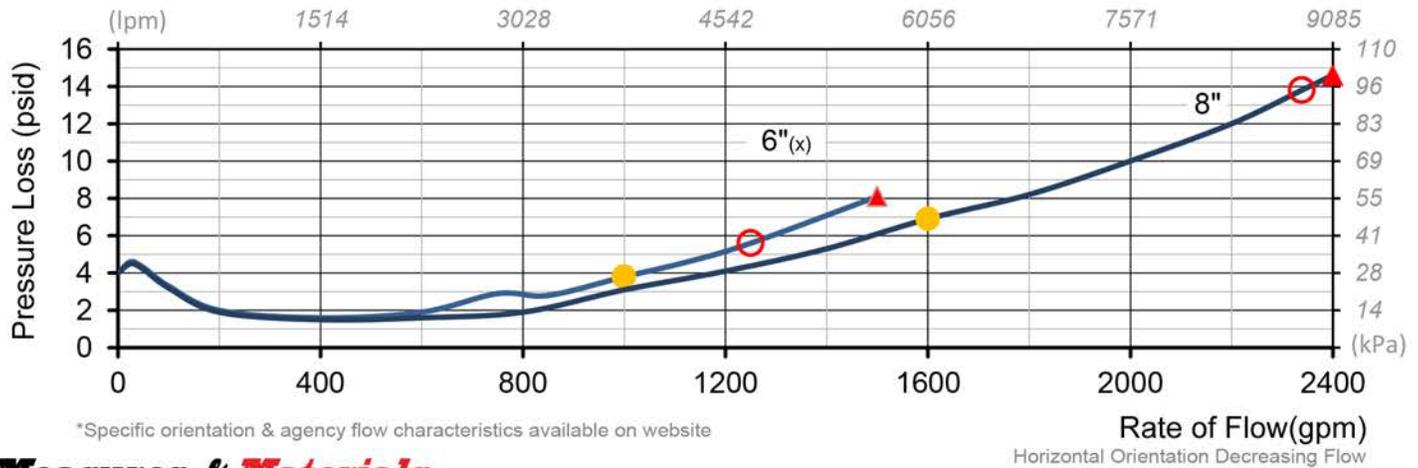
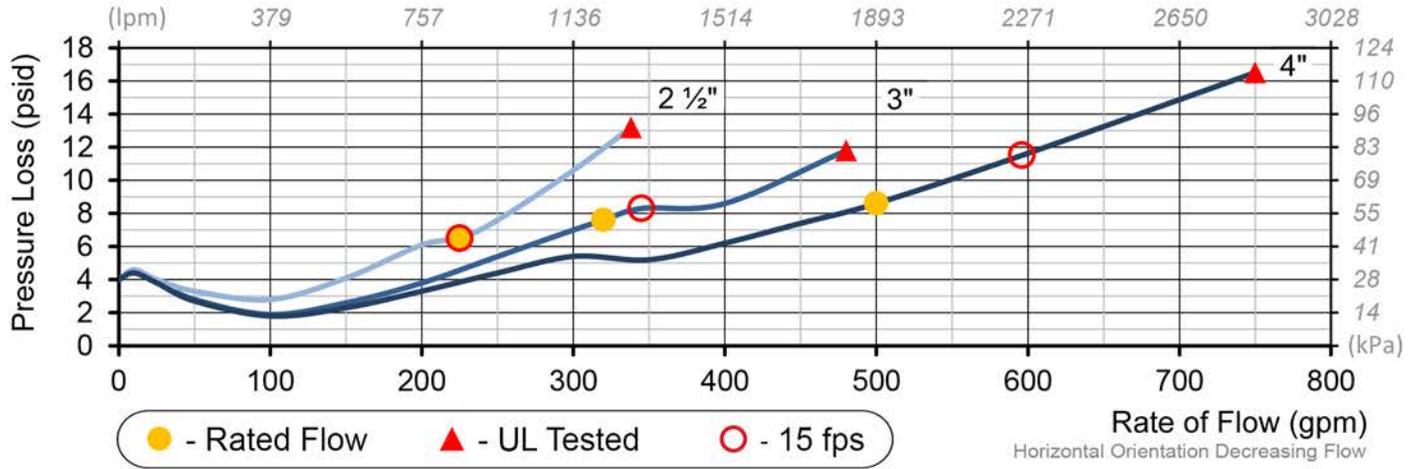
## Engineering Specifications

The Deringer 30 Double Check Detector Assembly 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. The bypass assembly shall include a meter registering either gallons or cubic feet, a single check valve and required test cocks. Assembly shall be serviceable without special tools and approved for both horizontal and vertical applications.

**Job Name:** \_\_\_\_\_  
**Job Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_

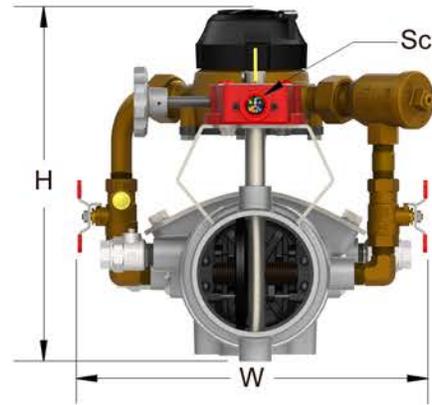
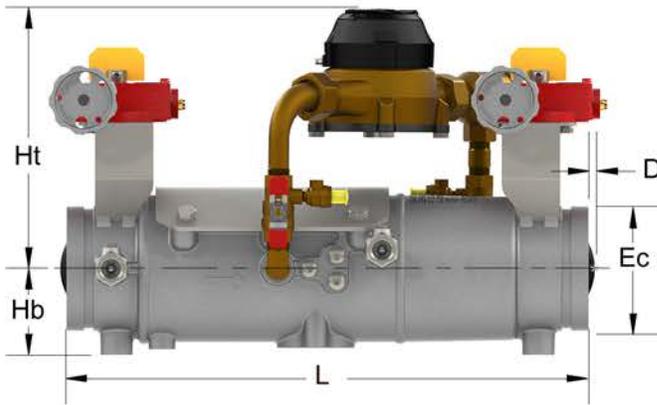
**Contractor:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Contractor's P.O. No:** \_\_\_\_\_  
**Representative:** \_\_\_\_\_

# 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	47	21	1/2"
3	80	7.4	188	2.9	74	18.7	475	3	80	0.0	0	10.3	262	11.0	279	49	22	1/2"
4	100	7.9	201	3.1	79	18.7	475	4	100	0.2	5	11.0	279	11.0	279	51	23	1/2"
6	150	8.7	221	4.8	122	28.4	721	6	150	1.0	25	13.5	343	13.8	351	131	59	1/2"
8	200	10.4	264	5.4	137	30.7	780	8	200	1.8	46	15.8	401	13.8	351	150	68	1/2"

**Valve Housing:** 304 Stainless Steel  
**Valve Cover:** 304 Stainless Steel  
**SOV Disks:** EPDM/304SS  
**SOV Shafts:** 304 Stainless Steel  
**Bypass Spring:** 302 Stainless Steel

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

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