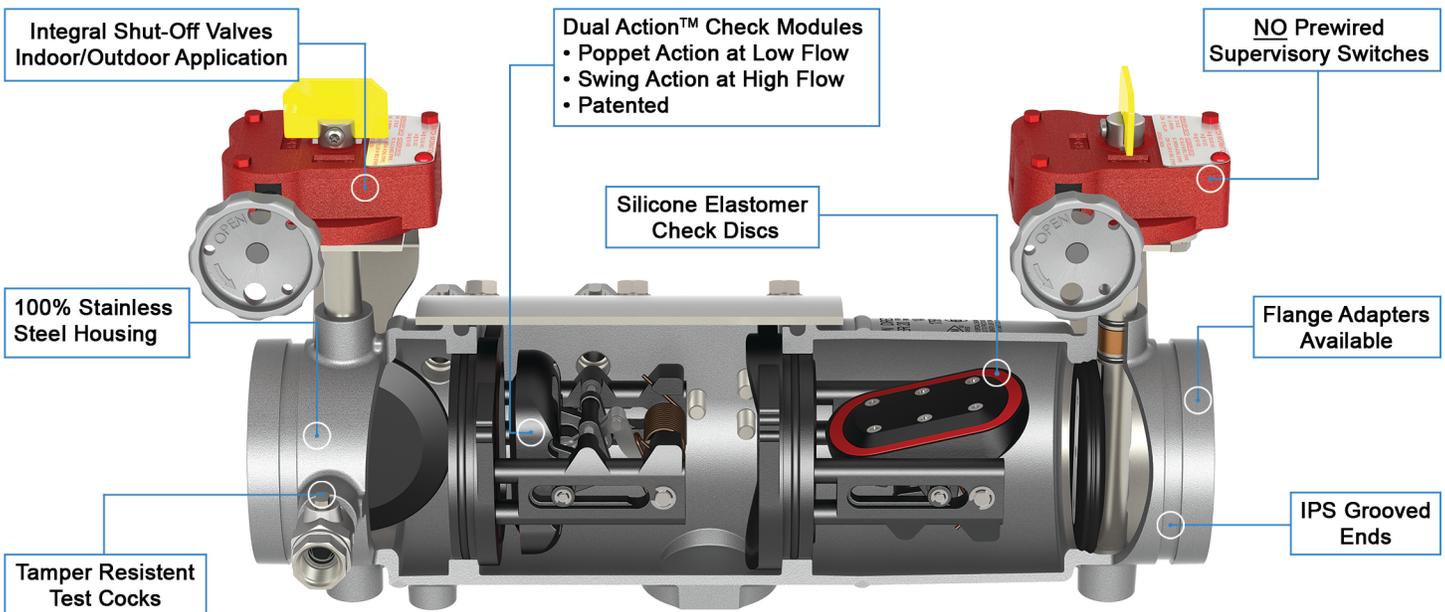
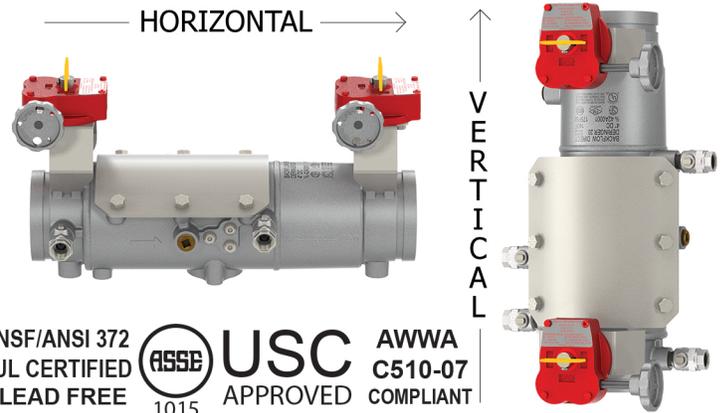


The Magnum 20(x) Double Check Backflow Prevention Valve Assembly is designed to prevent non-health hazard pollutants from entering the potable water supply system caused by backpressure and/or backsiphonage conditions. This product is designed for the waterwork, plumbing, and irrigation markets only.

- 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



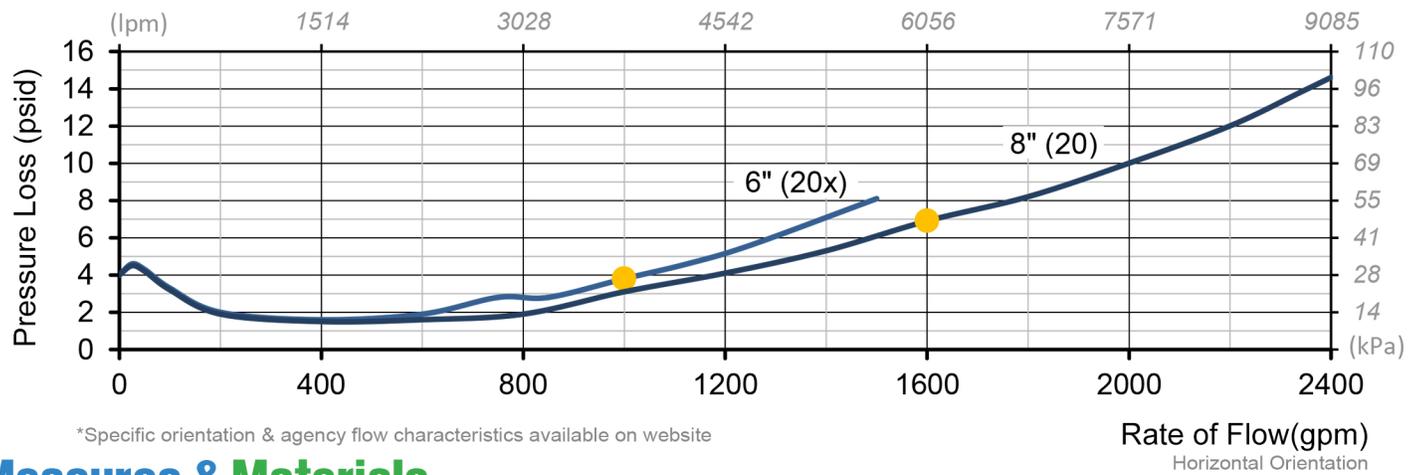
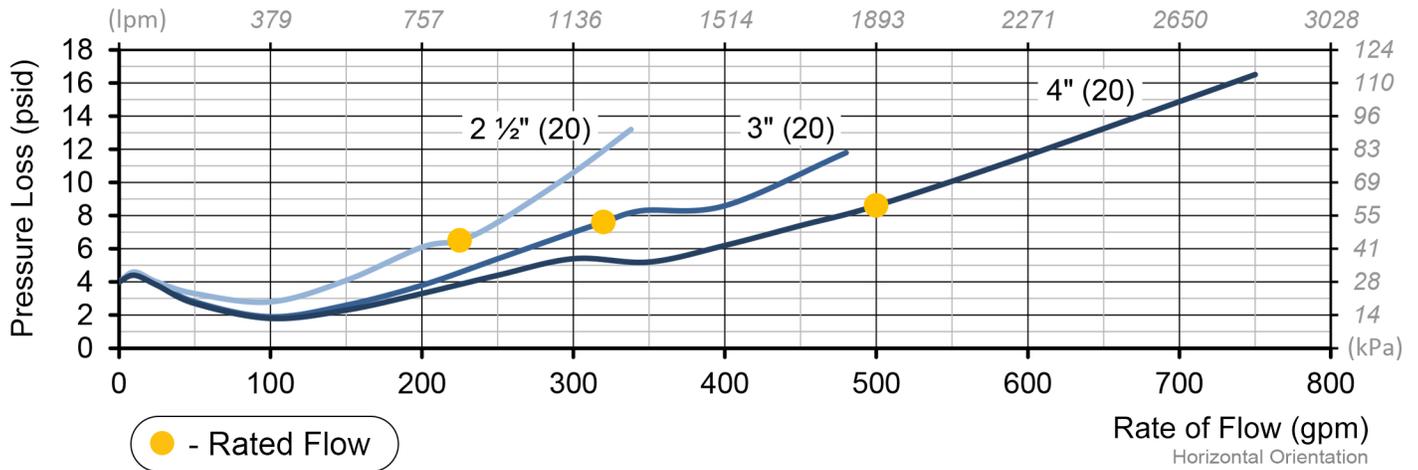
## Engineering Specifications

The Magnum 20(x) 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. 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:** \_\_\_\_\_

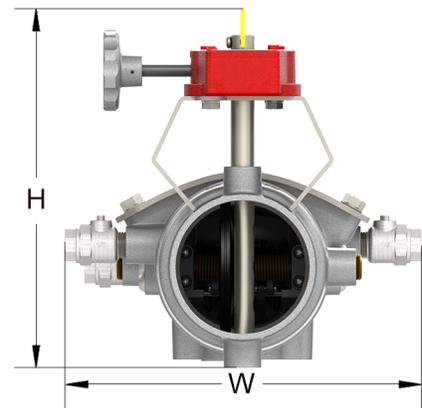
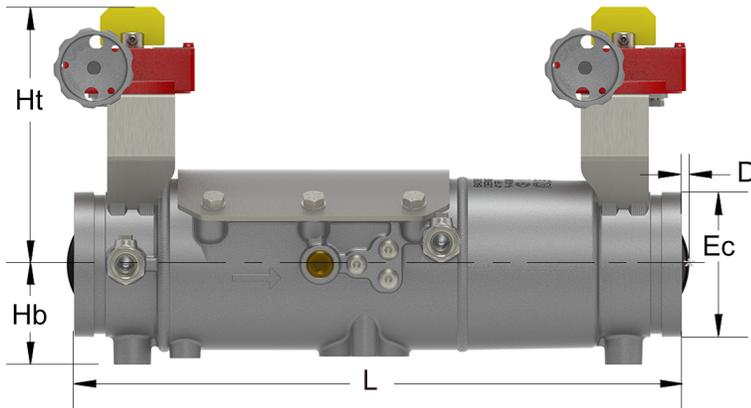
**Contractor:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Contractor's P.O. No:** \_\_\_\_\_  
**Representative:** \_\_\_\_\_

# Flow Performance



\*Specific orientation & agency flow characteristics available on website

# Measures & Materials



Size		Model	Ht		Hb		L		Ec		D		H		W		Weight	
in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
2 1/2	65	20	7.1	180	2.9	74	18.7	475	2 1/2	65	0.0	0	10.0	254	11.0	279	38	17
3	80	20	7.4	188	2.9	74	18.7	475	3	80	0.0	0	10.3	262	11.0	279	40	18
4	100	20	7.9	201	3.1	79	18.7	475	4	100	0.2	5	11.0	279	11.0	279	42	19
6	150	20x	8.7	221	4.8	122	28.4	721	6	150	1.0	25	13.5	343	13.8	351	122	55
8	200	20	10.4	264	5.4	137	30.7	780	8	200	1.8	46	15.8	401	13.8	351	141	64

- 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)