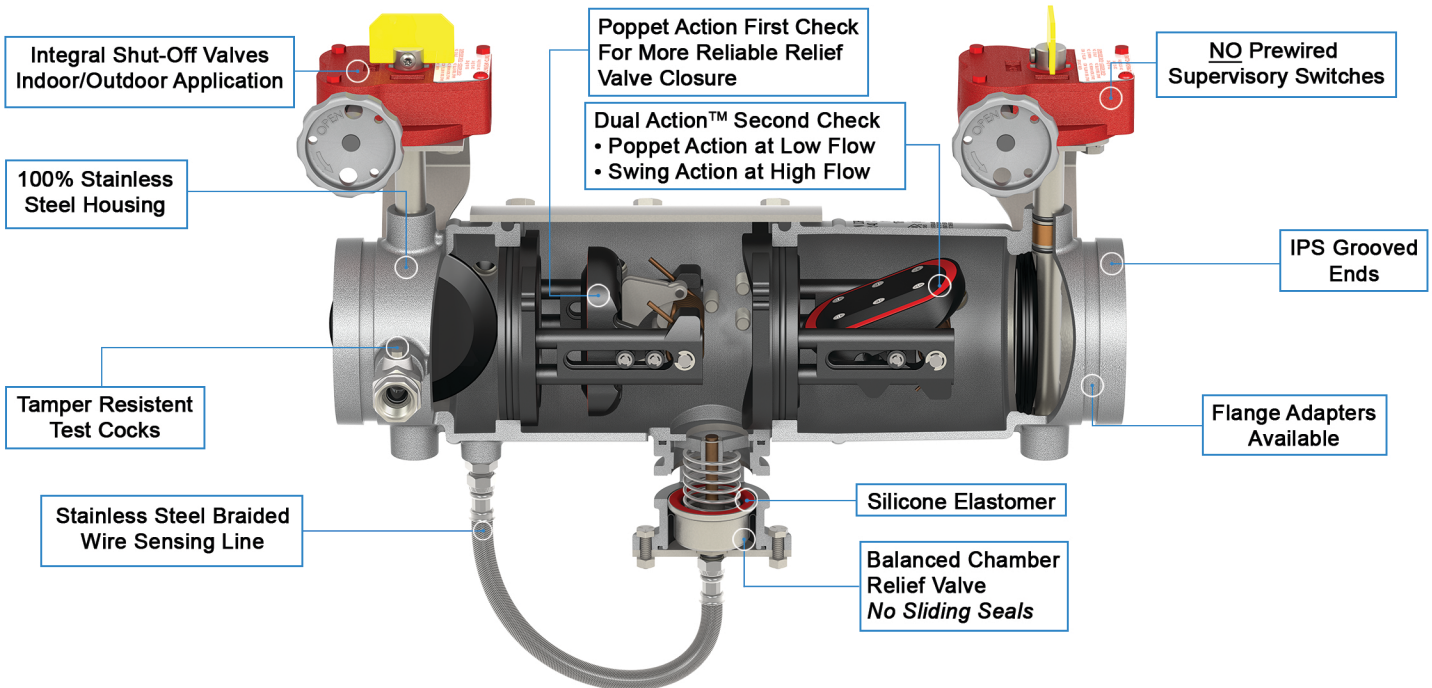
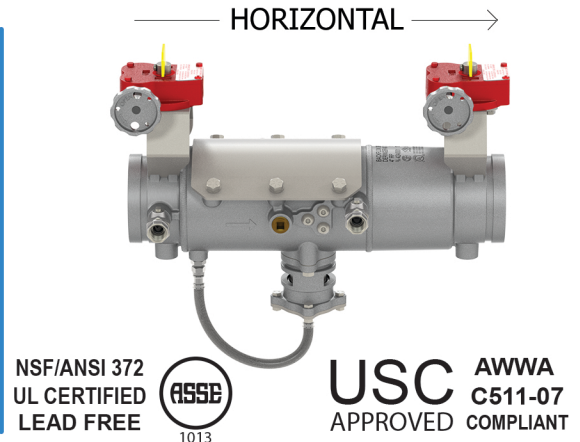


The Magnum 40(x) Reduced Pressure Backflow Prevention Valve prevents non-health hazard pollutants and hazardous contaminants from entering a potable water supply system when backpressure and/or backsiphonage conditions occur. This product is designed for the waterwork, plumbing, and irrigation markets 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:  
 - Flange Adapters:  
**Lead Free:**

AWWA C606  
 ANSI B16.1 Class 125  
 0.25% Maximum by Weight



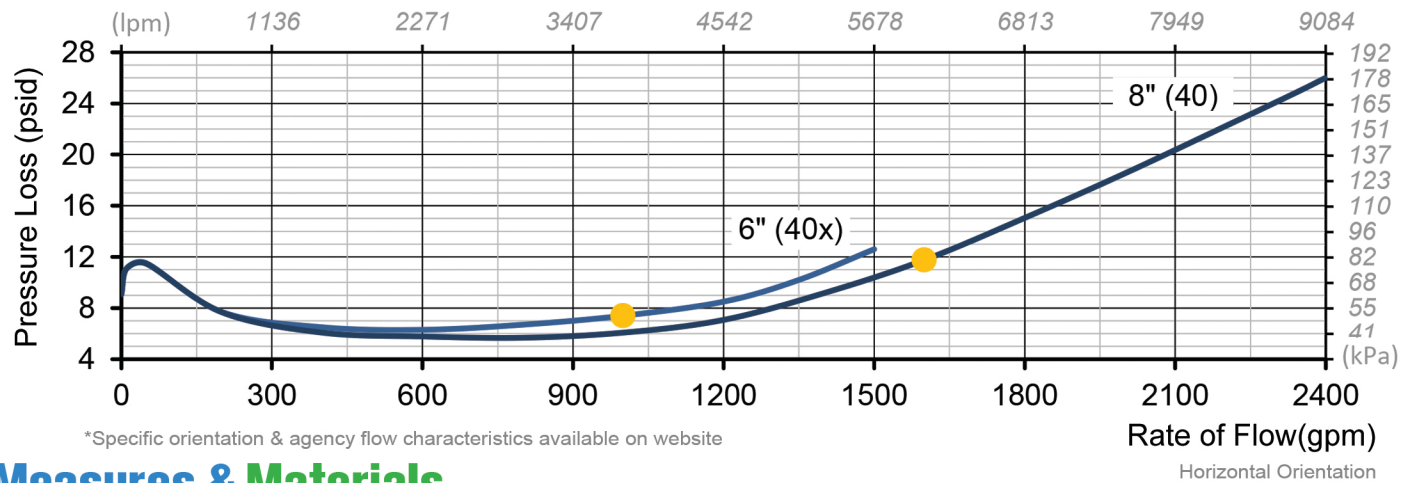
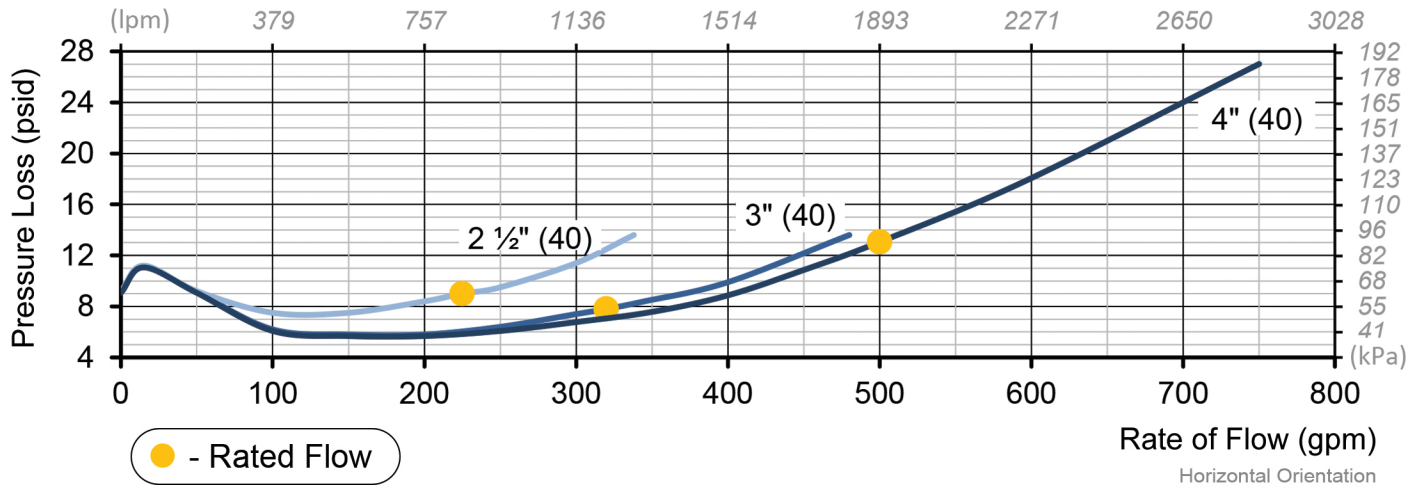
## Engineering Specifications

The Magnum 40(x) Reduce Pressure (RP) 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. Relief Valve shall operate using only static seals (zero dynamic/sliding seals). All wetted surface Relief Valve components shall be constructed of stainless steel. Assembly shall be serviceable without special tools.

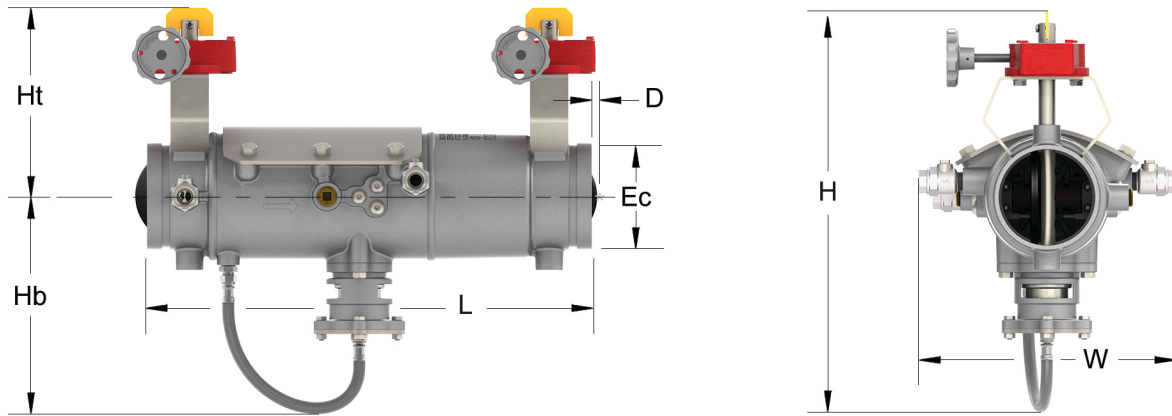
**Job Name:** \_\_\_\_\_  
**Job Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_

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

## Flow Performance



## 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	40	7.1	180	8.7	221	18.7	475	2 1/2	65	0.0	0	15.8	401	11.0	279	42	19
3	80	40	7.4	188	8.7	221	18.7	475	3	80	0.0	0	16.1	409	11.0	279	44	20
4	100	40	7.9	201	8.7	221	18.7	475	4	100	0.2	5	16.6	422	11.0	279	46	21
6	150	40x	9.6	244	10.7	272	28.4	721	6	150	1.0	25	20.3	516	13.8	351	126	57
8	200	40	10.4	264	10.7	272	30.7	780	8	200	1.8	46	21.1	536	13.8	351	145	66

**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)