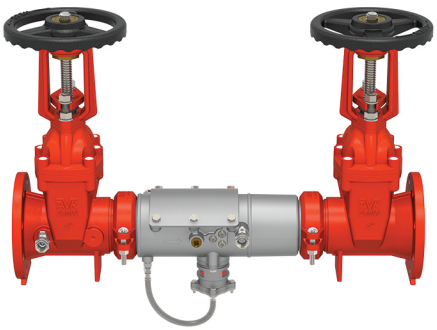
Deringer 40G(x)

RP

Reduce Pressure Valve

The Deringer 40(x) Reduce Pressure Valve Assembly (RP) prevents non-health hazard pollutants and hazardous contaminants from entering a potable water supply system when backpressure and/or backsiphonage conditions occur.

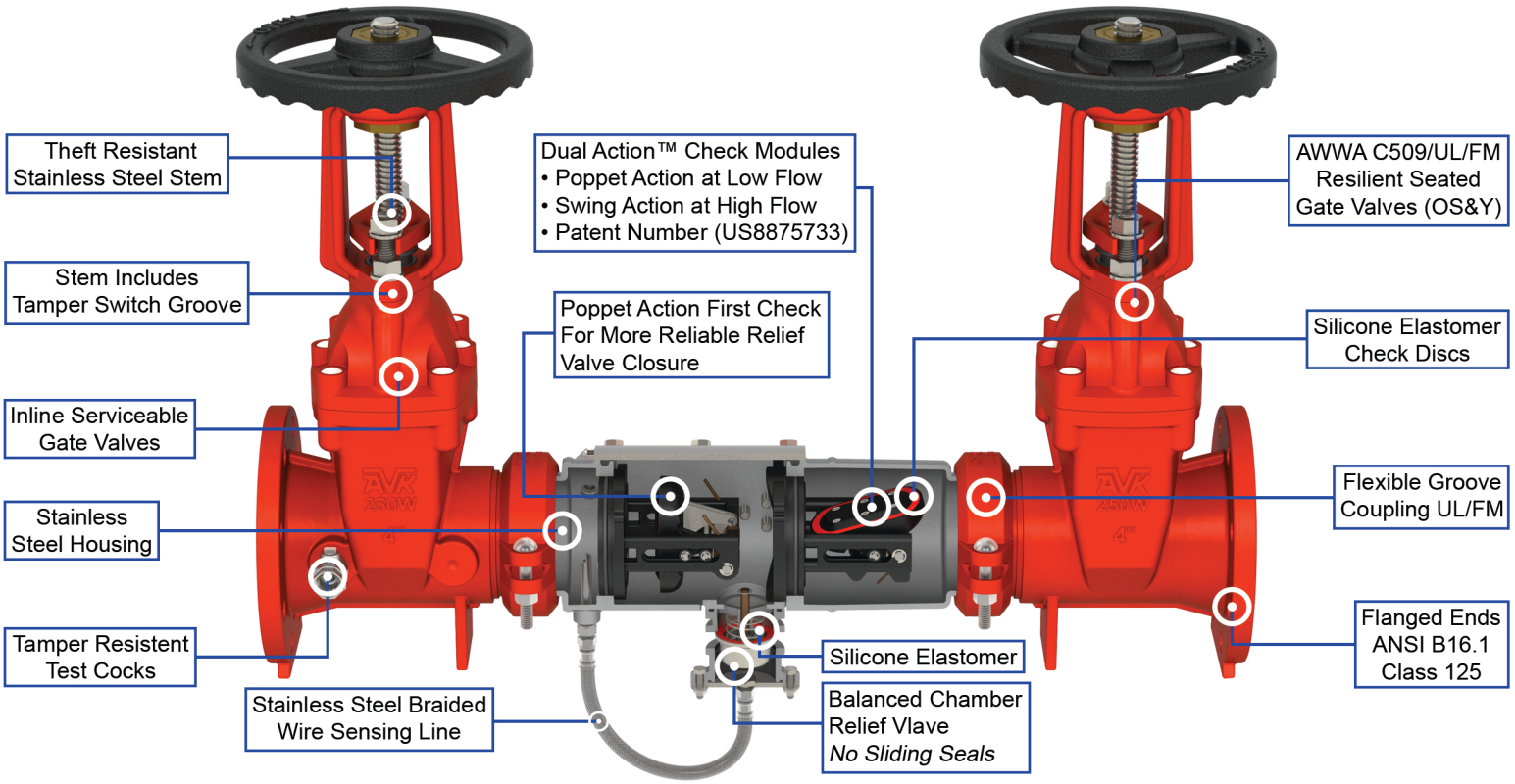
Sizes:	*2½" , 3", 4", 6"(x), 8"*
Working Pressure:	*10-175psi (0.7-12.1 bar)*
Temperature Range:	*33°-140°F (1°-60°C)*
Flanged Ends:	*ANSI B16.1 Class 125*
Lead Free:	*0.25% Maximum by Weight*
Patents:	*backflowdirectpatents.com*



HORIZONTAL

NSF/ANSI 372 UL CERTIFIED LEAD FREE · FM APPROVED · AWWA C511-07 COMPLIANT

For Regulatory Approval Status See www.backflowdirectapprovals.com



Engineering Specifications

The Deringer 40G(x) Reduce Pressure (RP) valve shall utilize two independent Dual Action Check modules contained within a single valve housing constructed of entirely of 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. Valve assembly shall include two resiliently seated and inline serviceable AWWA C509 gate valves of type outside yoke and stem (OS&Y). Gate valves shall utilize a stainless steel stem with a pre-machined groove for installation of supervisory tamper switches. Assembly test cocks shall be handle-less and operate via a tamper resistant actuator. Assembly shall utilize a single full access service port and a cover with an "inline" replaceable elastomer seal. Relief valve shall operate without the use of sliding seals and shall be constructed entirely of stainless steel. Assembly shall be serviceable without the use of special tools.

Job Name: _____ **Contractor:** _____

Job Location: _____ **Approval:** _____

Engineer: _____ **Contractor's P.O. No:** _____

Approval: _____ **Representative:** _____

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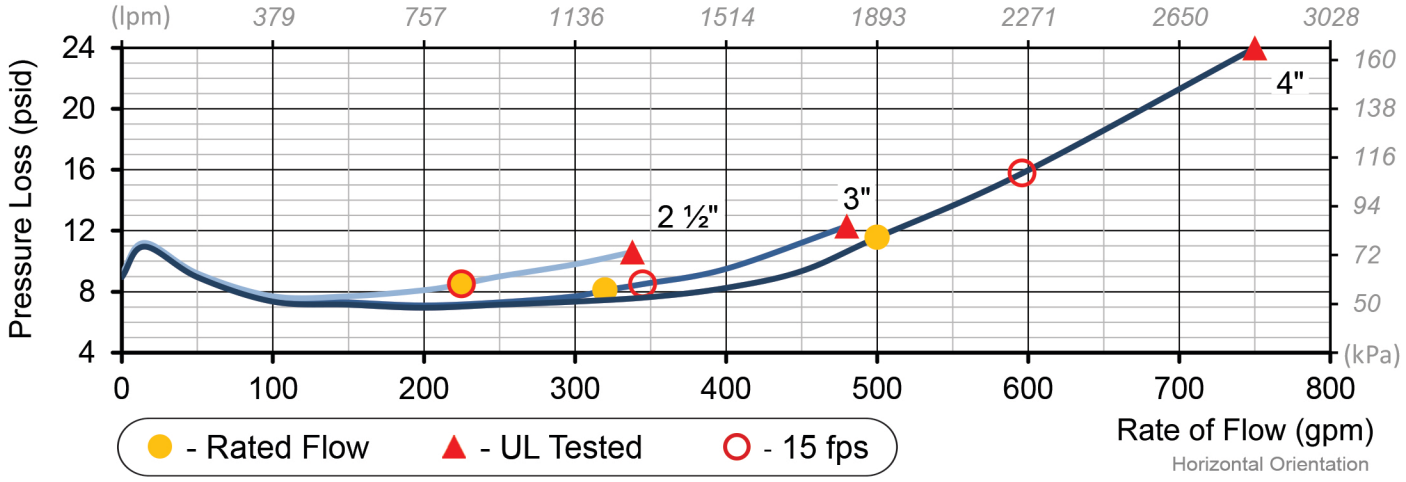
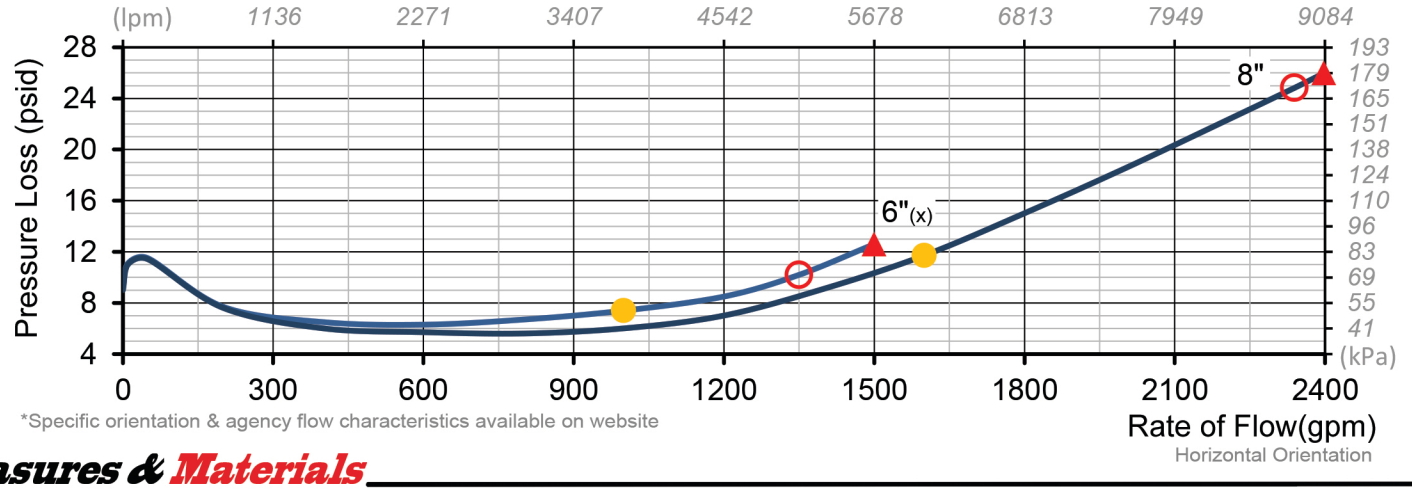
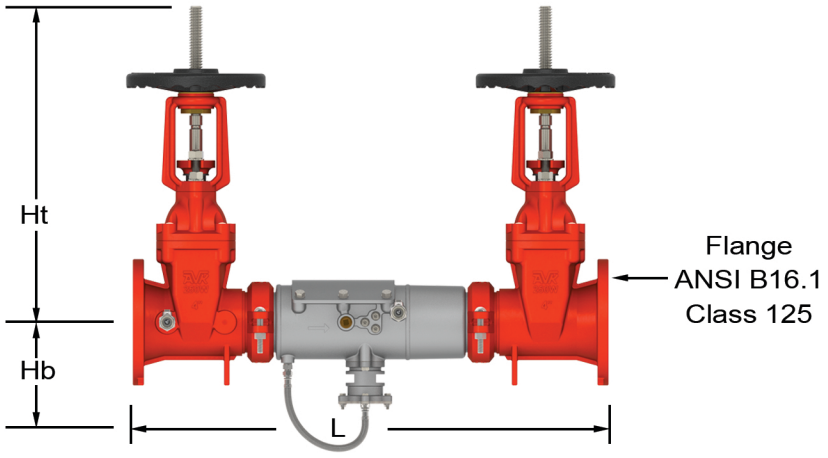
Flow Performance

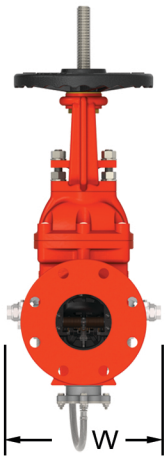




*Specific orientation & agency flow characteristics available on website

Measures & Materials





Size		Model	Ht		Hb		Ht + Hb		L		Flange		W		Weight	
in	*mm*		in	*mm*	in	*mm*	in	*mm*	in	*mm*	in	*mm*	in	*mm*	lbs	*kg*
2 ½	*65*	*40G*	19.0	*483*	9.3	*236*	28.3	*719*	31.8	*808*	2 ½	*65*	11.0	*279*	125	*57*
3	*80*	*40G*	19.5	*495*	9.3	*236*	28.8	*732*	31.8	*808*	3	*80*	11.0	*279*	129	*59*
4	*100*	*40G*	22.5	*572*	9.3	*236*	31.8	*808*	33.9	*861*	4	*100*	11.0	*279*	163	*74*
6	*150*	*40G(x)*	30.9	*785*	11.5	*292*	42.2	*1072*	42.8	*1087*	6	*150*	14.1	*371*	341	*155*
8	*200*	*40G*	39.4	*1001*	11.5	*292*	51.0	*1295*	44.8	*1138*	8	*200*	14.6	*429*	455	*206*

Valve Housing: *304 Stainless Steel*
Valve Cover: *304 Stainless Steel*
SOV Disks: *EPDM/304SS*
SOV Shafts: *304 Stainless Steel*
RV 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*
RV Housing: *302 Stainless Steel*
Check Springs: *17-7 Stainless Steel*
Check Pins: *17-7/18-8 Stainless Steel*
Check Seats: *Noryl Polymer*
O-Rings: *Buna-N*
RV Hose: *Braided Stainless Steel Wire*

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