Engineering Specification

Job Name _____ Contractor _____

Job Location _____ Approval _____

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

Approval _____ Representative _____

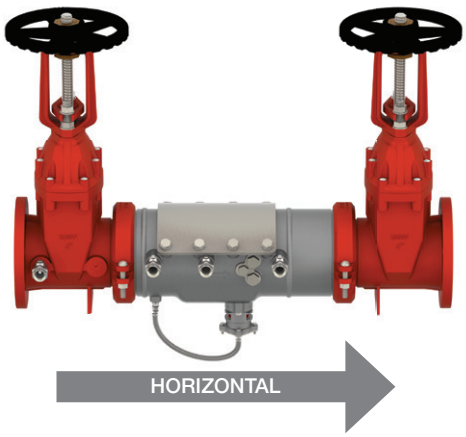
LEAD FREE*

Deringer™ 40GX

Low Head Loss Reduced Pressure Zone Assembly

Sizes: 6"

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



Features

- Oversized checks for extreme performance
- Stem includes tamper switch groove
- Inline serviceable gate valves
- Stainless steel housing
- Tamper-resistant test cocks
- Patented Dual-action™ second check module
  - Poppet action at low flow
  - Swing action at high flow
- Balanced chamber Relief Valve
  - No sliding seals
- Poppet action first check for more reliable Relief Valve closure
- Silicone elastomer
- Silicone elastomer check discs
- AWWA C509/UL/FM resilient seated gate valves (OS&Y)
- Flanged ends ANSI B16.1 Class 125
- Flexible groove coupling UL/FM (between body and gate valves)

Materials

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® fluoropolymer/Bronze
Non-wetted Bolts:	Grade 8 Zinc Plated
Check Disks:	Silicone (NSF)
Wetted Fasteners:	18-8 Stainless Steel
RV Housing:	304 Stainless Steel
Check Springs:	17-7 Stainless Steel
Check Pins:	17-7/18-8 Stainless Steel
Check Seats:	Noryl® Polymer (NSF)
O-rings:	Buna-N (NSF)
RV Hoses:	Braided Stainless Steel Wire

Approved for Fire Protection, Waterworks, Plumbing, and Irrigation Applications.

Specifications

The Deringer 40GX Reduce Pressure (RP) Zone Assembly shall utilize two independent check modules contained within a single valve housing constructed of entirely of stainless steel. Dual-action second check module 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.

***The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.**

NOTICE

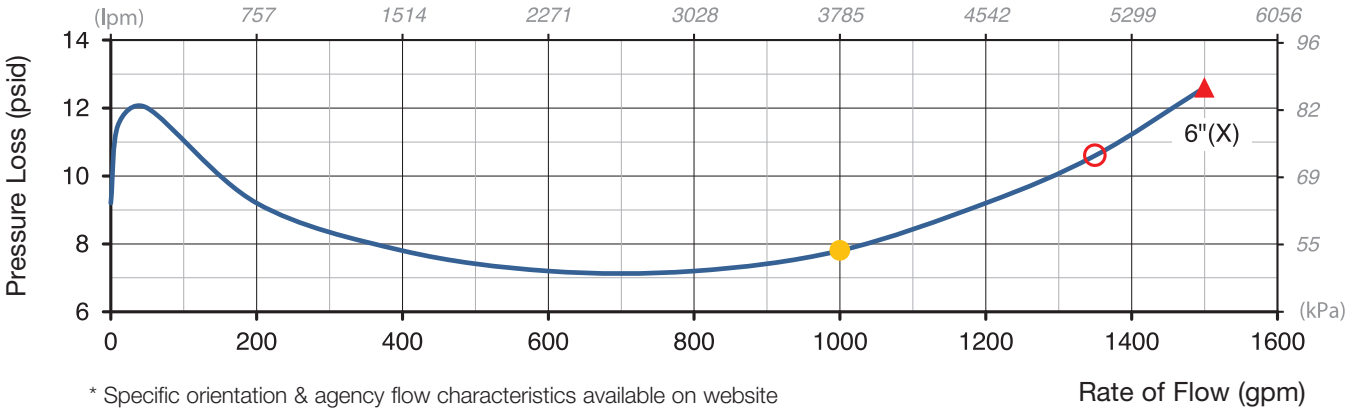
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

AMES FIRE & WATERWORKS

A WATTS Brand

Flow Performance

● = Rated Flow ▲ = UL Tested ○ = 15 fps



* Specific orientation & agency flow characteristics available on website

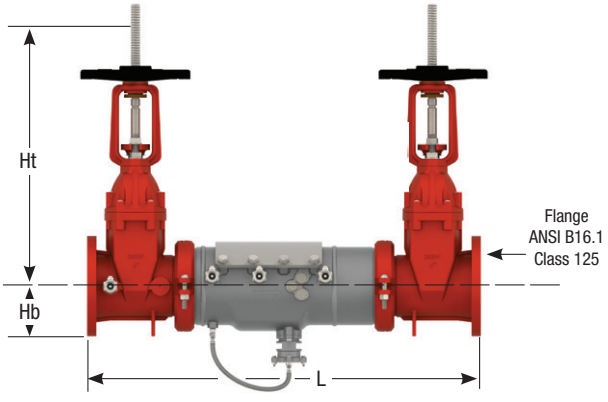
Standards

AWWA C511-07 Compliant
NSF/ANSI 372, UL CERTIFIED
LEAD FREE
End Connections
- Flange Connections:
  ANSI B16.1 Class 125

Pressure — Temperature

Temperature Range: 33°F – 140°F
Working Pressure: 10 – 175psi

Dimensions — Weights



Size	Model	Ht		Hb		Ht+Hb		L		W		Weight	
in.		*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kg*
6	40GX	30.9	784	10.5	266	41.3	923	39.9	1014	13.8	351	332	151

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USA: Backflow T: (978) 689-6066 • F: (978) 975-8350 • AmesFireWater.com
USA: Control Valves T: (713) 943-0688 • F: (713) 944-9445 • AmesFireWater.com
Canada: T: (888) 208-8927 • F: (905) 481-2316 • AmesFireWater.ca
Latin America: T: (52) 55-4122-0138 • AmesFireWater.com