

Series 957ISR

Reduced Pressure Zone Assemblies

Size: DN100-DN250

Series 957ISR Reduced Pressure Zone Assemblies provide protection to the potable water system from contamination in accordance with national plumbing codes. Series 957ISR are normally used in health hazard applications for protection against backsiphonage or backpressure. Inquire with governing authorities for local installation requirements.

Features

- Replaceable check disc rubber
- Extremely compact design
- 70% Lighter than traditional designs
- Stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented torsion spring checks provide lowest pressure loss
- Unmatched ease of serviceability
- Bottom mounted cast stainless steel relief valve

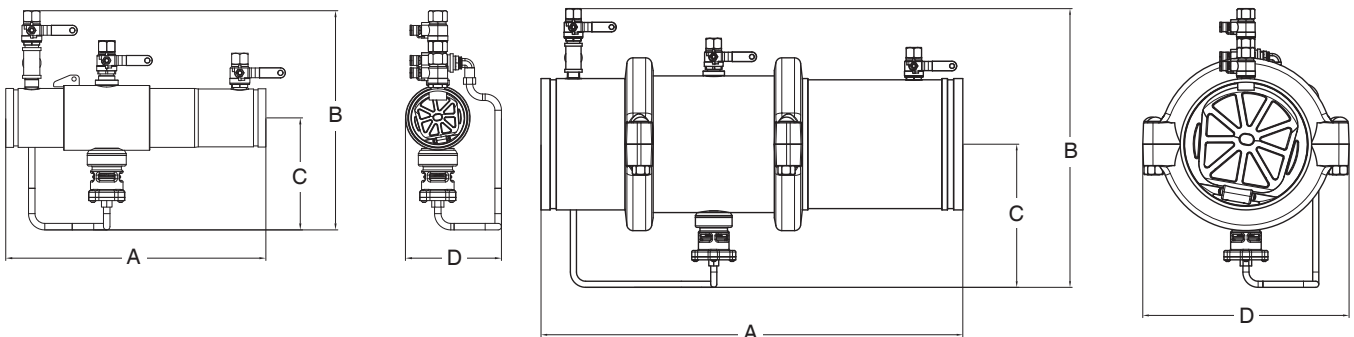
Pressure - Temperature

- Temperature Range: 0.5°C – 60°C
- Maximum Working Pressure: 1210kPa

Material

Component	Material
Housing & Sleeve	Stainless Steel
Elastomers	EPDM, Silicone and Buna-N
Tri-link Checks	Noryl®, Stainless Steel
Check Discs	Reversible Silicone or EPDM
Test Cocks	Bronze Body
Pins & Fasteners	Stainless Steel
Springs	Stainless Steel

Installation Dimensions



ISR 957 LG

Size (DN)	Dimensions				Weight
	A	B	C	D	
mm	mm	mm	mm	mm	kgs.
100	508	432	254	140	12.7
150	686	483	281	191	28.2
200	762	521	302	356	60.0
250	876	584	329	432	85.9



Specification

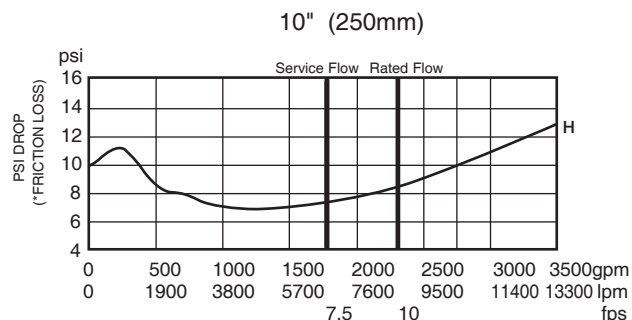
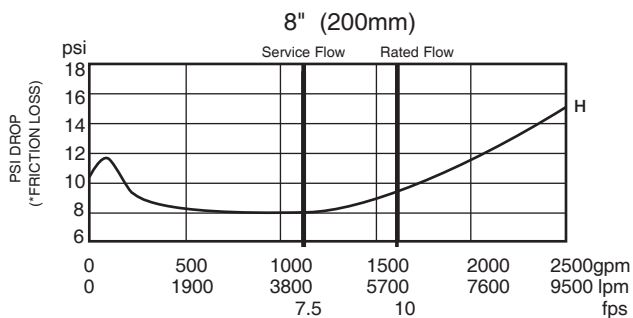
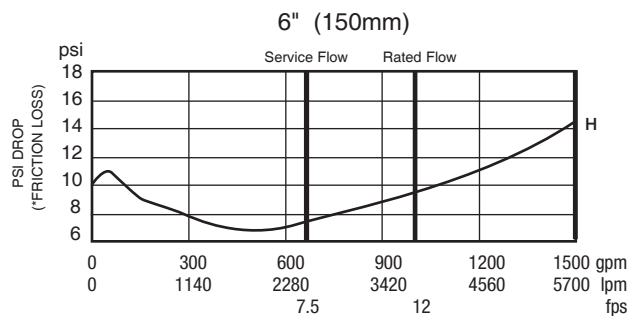
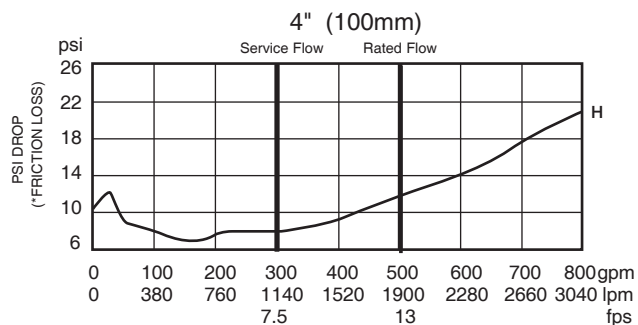
- End Connections: Grooved to AWWA C606
- Working Medium: Non corrosive liquids

Approval



Characteristic Curve

Series 957ISR flow curves as tested by Underwriters Laboratory.
Flow characteristics collected using butterfly shutoff valves



Flow capacity chart identifies valve performance based upon rated water velocity up to 25fps

- Service Flow is typically determined by a rated velocity of 7.5fps based upon schedule 40 pipe.
- Rated Flow identifies maximum continuous duty performance determined by AWWA.
- AWWA Manual M22 [Appendix C] recommends that the maximum water velocity in services be not more than 10fps.