Series 757ISR

Double Check Detector Assemblies

Size: DN100-DN150

Series 757ISR Double Check Detector Assemblies are used to prevent backflow of non-health hazard pollutants that are objectionable but not toxic, from entering the potable water supply system. Series 757ISR may be installed under continu ous pressure service and may be subjected to backpressure and backsiphonage. Series 757ISR consists of two independently operating check valves, and three test cocks. Inquire with governing authorities for local installation requirements.

Features

- Extremely compact design
- 70% Lighter than traditional designs
- Stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented tri-link check provides lowest pressure loss
- Unmatched ease of serviceability
- Available for horizontal or vertical installations
- Replaceable check disc rubber

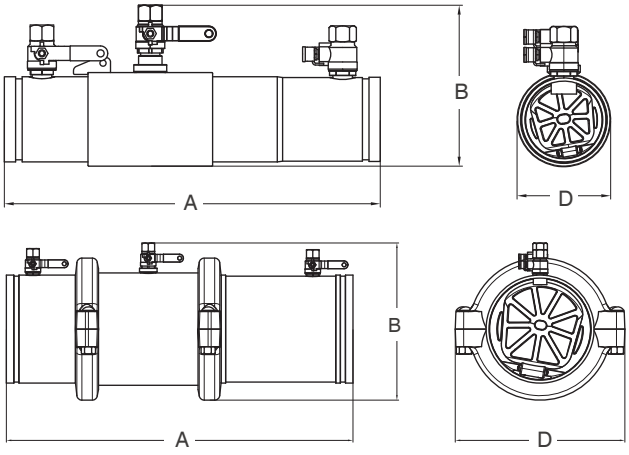
Pressure - Temperature

- 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 757 LG-DCDA

Size (DN)	Dimensions			WEIGHT
	A	B	D	Not including Bypass
mm	mm	mm	mm	kgs.
100	508	178	140	11.1
150	686	254	191	26.6

Specification

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

Approval

WMKA1527.4

Characteristic Curve

Flow capacity chart identifies valve performance based upon rated water velocity up to 7.6M/S

- Service Flow is typically determined by a rated velocity of 2.3M/S based upon schedule 40 pipe.
- Rated Flow identifies maximum continuous duty perfor mance determined by AWWA.
- UL Flow Rate is 150% of Rated Flow and is not recom□mended for continuous duty.
- AWWA Manual M22 [Appendix C] recommends that the maximum water velocity in services be not more than 3M/S.