For Non-Health Hazard Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

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

Approval _____ Representative _____

LEAD FREE*

Series 757ISR

Double Check Detector Assemblies

Sizes: 100 to 150mm

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 continuous pressure service and may be subjected to backpressure and backsiphonage. Series 757ISR consists of two independently operating check valves, and three test cocks.

757ISR-LG-DCDA
(Bypass not shown)

Features

- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) 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

Specifications

The Double Check Detector Assembly shall consist of two independent tri-link check modules within a single housing, sleeve access port, three test cocks. Tri-link checks shall be removable and serviceable, without the use of special tools. The housing shall be constructed of 304 Schedule 40 stainless steel pipe with groove end connections. Tri-link checks shall have reversible elastomer discs and in operation shall produce drip tight closure against reverse flow caused by backpressure or backsiphonage. Assembly shall be a Watts Series 757ISR.

Materials

Housing & Sleeve: 304 (Schedule 40) 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: 300 Series Stainless Steel
Springs: Stainless Steel

Pressure — Temperature

Temperature Range: 33°F – 140°F (0.5°C – 60°C)
Maximum Working Pressure: 175psi (12.1 bar)

NOTICE

Inquire with governing authorities for local installation requirements

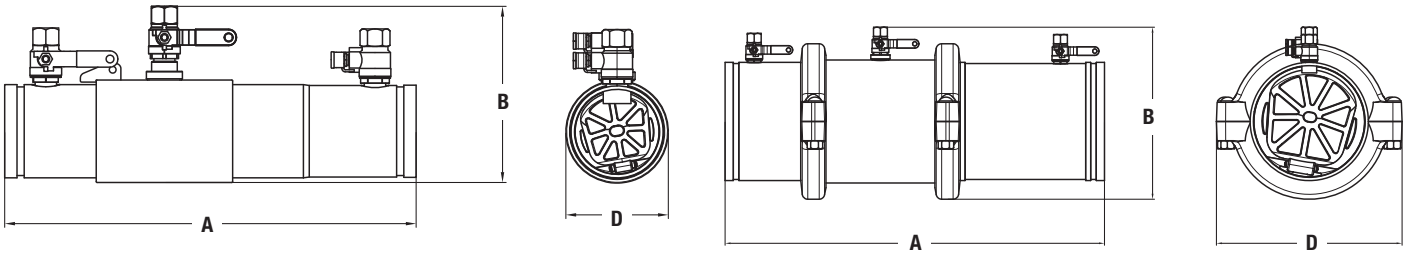
NOTICE

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.

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

WATTS®

Dimensions — Weight



ISR 757 LG-DCDA

SIZE (DN)		DIMENSIONS						WEIGHT	
		A		B		D		Not including Bypass	
in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs.*
4	100	20	508	7	178	5½	140	25	11.1
6	150	27	686	10	254	7½	191	59	26.6

Approvals

WaterMark

Certificate WMKA 1527.4

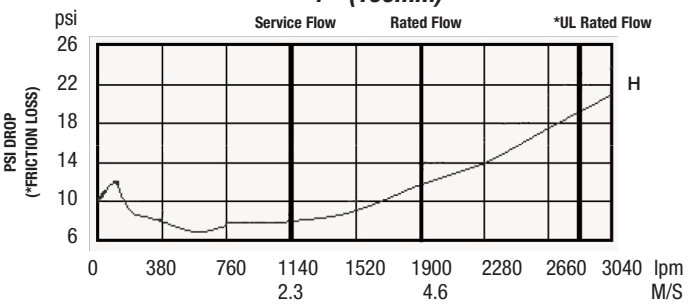
Capacity

_____ Horizontal

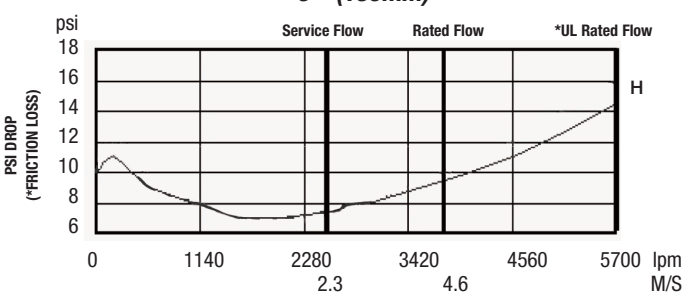
Flow capacity chart identifies valve performance based upon rated water velocity up to 7.6M/S

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

4" (100mm)



6" (150mm)



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