

For Non-Health Hazard Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

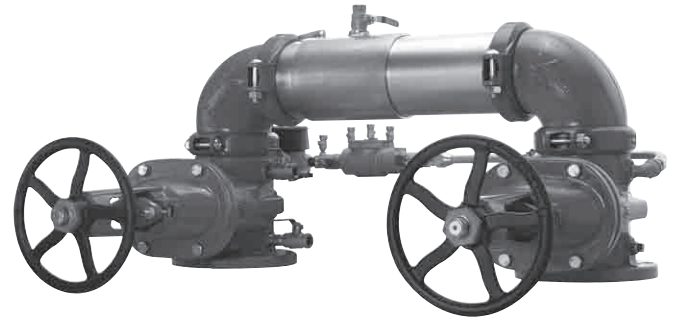
Representative _____

Series 757NaDCDA

Double Check Detector Assemblies

Sizes: 2 1/2" – 6" (65 – 150 mm)

Series 757NaDCDA 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. The 757NaDCDA may be installed under continuous pressure service and may be subjected to backpressure and backsiphonage. Series 757NaDCDA is used primarily on fire line sprinkler systems when it is necessary to monitor unauthorized use of water.



757NaDCDAOSY

Features

- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) Stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented bi-link checks provides lowest pressure loss
- Unmatched ease of serviceability
- Available with grooved butterfly valve shutoffs
- May be used for N pattern installations
- Replaceable check disc rubber

Specifications

The Double Check Detector Assembly shall consist of two independent bi-link check modules within a single housing, sleeve access port, four test cocks and two drip tight shutoff valves. Bi-link checks may 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. Bi-link checks shall have reversible elastomer discs and in operation shall produce drip tight closure against reverse flow caused by backpressure or backsiphonage. The bypass assembly shall consist of a meter which registers in either gallon or cubic measurements, a double check assembly and require test cocks. Assembly shall be a Watts Regulator Company Series 757NaDCDA.

Available Models

Suffix:

- OSY – UL/FM outside stem and yoke resilient seated gate valves
- BFG – UL/FM grooved gear operated butterfly valves with tamper switch

*OSY FxG – Flanged inlet gate connection and grooved outlet gate connection

*OSY GxF – Grooved inlet gate connection and flanged outlet gate connection

*OSY GxG – Grooved inlet gate connection and grooved outlet gate connection

Available with grooved NRS gate valves - consult factory*

Post indicator plate and operating nut available - consult factory*

*Consult factory for dimensions

Materials

Housing & Sleeve: 304 (Schedule 40) Stainless Steel

Elastomers: EPDM and Buna-N

Bi-link Checks: Noryl®, Stainless Steel

Check Discs: Reversible EPDM

Test Cocks: Bronze Body Nickel Plated

Pins & Fasteners: 300 Series Stainless Steel

Springs: Stainless Steel

Pressure – Temperature

Temperature Range: 33°F – 110°F (0.5°C – 43°C)

Maximum Working Pressure: 175psi (12.1 bar)

Approvals

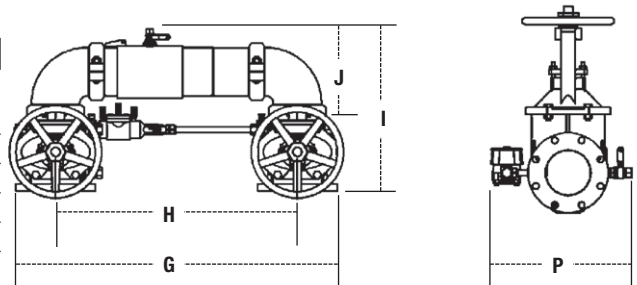


Dimensions – Weight

757NaDCDA

SIZE (DN)		DIMENSIONS						WEIGHT		757NaDCDA			
in.	mm	G		H		I		J		P			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
2½	65	29 ¹ / ₁₆	738	21½	546	15½	393	8 ¹³ / ₁₆	223	13 ³ / ₁₆	335	147	67
3	80	30 ³ / ₄	768	22¼	565	17 ¹ / ₈	435	9 ⁹ / ₁₆	233	14½	368	172	78
4	100	33	838	23½	597	18½	470	9 ¹⁵ / ₁₆	252	15 ³ / ₁₆	386	198	90
6	150	44 ³ / ₄	1137	33¾	857	23 ³ / ₁₆	589	13 ¹ / ₁₆	332	19	483	350	159

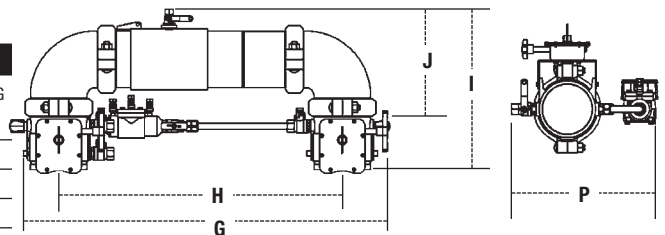
Note: For 2½ - 6 (65-150mm) Horizontal/Vertical installations, send for literature ES-757DCDA/757NDCDA.



757NaDCDABFG

SIZE (DN)		DIMENSIONS						WEIGHT		757aNDCDA BFG			
in.	mm	G		H		I		J		P			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
2½	65	29 ⁷ / ₈	759	21½	546	14 ¹⁵ / ₁₆	379	8 ¹³ / ₁₆	223	13	330	78	35
3	80	30 ¹¹ / ₁₆	779	22¼	565	15 ⁷ / ₁₆	392	9 ⁹ / ₁₆	233	13½	343	81	37
4	100	31 ¹⁵ / ₁₆	811	23½	597	16¼	412	9 ¹⁵ / ₁₆	252	14	356	98	44
6	150	43 ¹⁵ / ₁₆	1097	33¾	857	19 ¹¹ / ₁₆	500	13 ¹ / ₁₆	332	14½	368	171	78

Note: For 2½ - 6 (65-150mm) Horizontal/Vertical installations, send for literature ES-757DCDA/757NDCDA



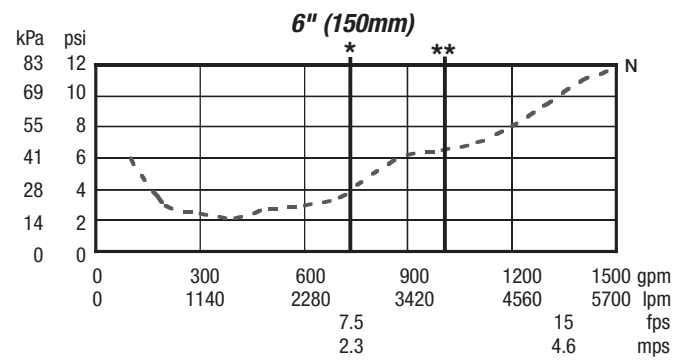
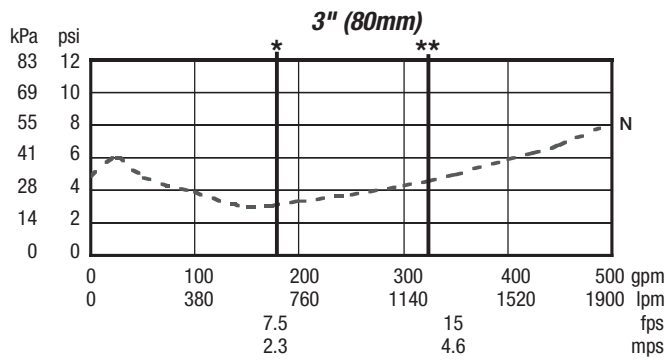
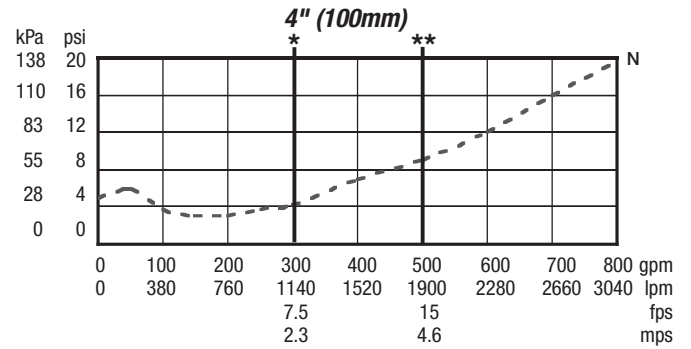
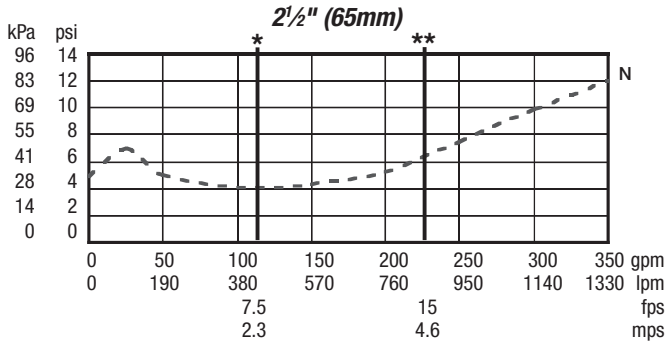
Noryl® is a registered trademark of SABIC Innovative Plastics™.

Capacity

Series 757NaDCDA flow curves as tested by Underwriters Laboratory per UL 1469, 1996.
Flow characteristics collected using butterfly shutoff valves

* = Rated flow ** = UL Rated flow

----- N - Pattern



For additional information, visit our web site at: www.watts.com



A Watts Water Technologies Company



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