

Model 375ASTDA

Reduced Pressure Detector Assembly

Application

Designed for installation on water lines in fire protection systems to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375ASTDA shall provide protection where a potential health hazard exists. Incorporates metered by-pass to detect leaks and unauthorized water use.

Standards Compliance (Horizontal)

- · ASSE® Listed 1047
- AWWA Compliant C550
- UL® Classified
- · C-UL® Classified
- · FM® Approved
- CSA® Certified B64.4
- · Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Meets the requirements of NSF/ANSI/CAN 61* *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

By-Pass Backflow Assembly 3/4" Model 975XLD

Materials

Main valve body 304L Stainless steel Access covers 304L Stainless steel

Internals Stainless steel 300 Series

NORYL™

Stainless steel, 300 Series Fasteners & Springs Elastomers EPDM (FDA approved) Buna Nitrile (FDA approved)

NORYL™

Sensing line Stainless steel, braided hose

Features

Polymers

Sizes: 2 1/2", 3", 4", 6", 8", 10"

Maximum working water pressure 175 PSI Maximum working water temperature 140°F Hydrostatic test pressure 350 PSI AWWA C606 End connections (Grooved for steel pipe) (Flanged)

ANSI B16.42 Class 150

Dimensions & Weights (do not include pkg.)

		WEIGHT											
MOE 375AS SIZ	STDA	WITH	OS&Y (GXF)	WITH	OS&Y S(GXG)	WI BUTTI VALVES		WITH BUTTERFLY VALVES (GXF)					
in.	mm	lbs. kg		lbs. kg		lbs.	kg	lbs.	kg				
2 1/2	65	137	62	127	58	104	47	114	52				
3	80	155	71	143	65	109	50	122	56				
4	100	229	104	209	95	112	51	134	61				
6	150	364	166	334	152	176	80	206	94				
8	200	681	309	627	284	364	165	387	176				
10	250	900 408		842	382	536	243	594	269				







(SHOWN WITH OPTIONAL GROOVED END BUTTERFLY VALVES)

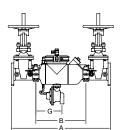
Options (Suffixes can be combined)

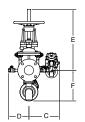
- with flanged end OS & Y gate valves (standard)
- \square LM less water meter
- with remote reading meter with gpm meter (standard)
- with cu ft/min meter □ CFM
- \Box G with grooved end OS&Y gate valves
- □ FG with flanged inlet gate connection and grooved
 - outlet gate connection
- □ PI with Post Indicator Gate Valves
- □ BG with grooved end butterfly valves with integral
 - supervisory switch
- \square BF with flanged end butterfly valves with integral
 - supervisory switch
- □ RV with by-pass on right hand side

Accessories

- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- □ OS & Y Gate valve tamper switch (OSY-40)
- □ QT-SET Quick Test Fitting Set

MODEL 375ASTDA with standard OS&Y



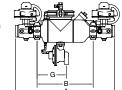


MODEL 375ASTDA with BG option

1159

34 3/4

883





MC	DEL	DIMENSION (approximate)																			
375A	ISTDA IZE	А		A WI BUTTE VALV	RFLY	GA	ESS TE VES	С		D)	E OS&Y (DPEN	E OS&Y CL	OSED	E W BUTTE VAL	RFLY	F		G	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2 1/2	65	31 7/8	810	28 3/4	730	n/a	n/a	12	305	7 1/4	184	17 3/4	451	15 3/8	391	8 1/4	210	9 3/4	248	8 5/8	219
3	80	32 7/8	835	29 3/8	746	n/a	n/a	12	305	7 1/4	184	20 1/4	514	17	432	8 1/4	210	9 3/4	248	8 5/8	219
4	100	34 7/8	886	30 1/4	768	n/a	n/a	12	305	8	203	22 1/2	572	18 1/4	464	9	229	9 3/4	248	8 5/8	219
6	150	43 1/2	1105	36 1/2	927	n/a	n/a	10 1/2	267	10	254	30 1/2	775	24 1/4	616	10 1/4	260	10 3/4	273	11 1/4	286
	000	EO 0/4	4040	45.074	4400	/	/	45 4 /0	004	4.4	070	07	040	00.4/0	704	40.4/0	470	45.570	007	40.4/4	007

Relief Valve

discharge port: 2 1/2"- 6" - 2.75 sq. in. 8"-10" - 3.69 sq. in.

Zurn Industries, LLC | Wilkins

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In Canada | Zurn Industries Limited

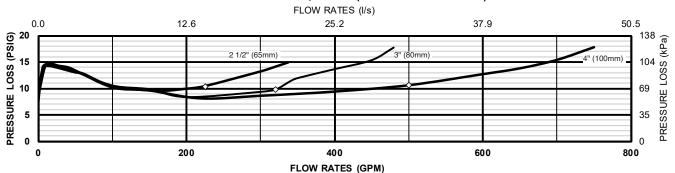
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216

www.zurn.com

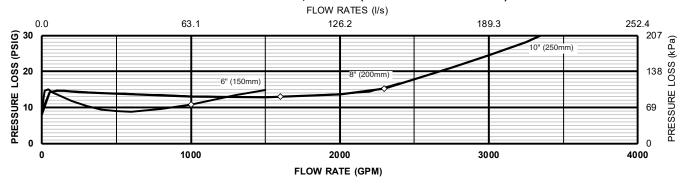
Rev O Date: 8/20 Document No. BF-375ASTDA Product No. Model 375ASTDA

Patent zurn.com/patents

MODEL 375ASTDA 2 1/2", 3" & 4" (STANDARD & METRIC)



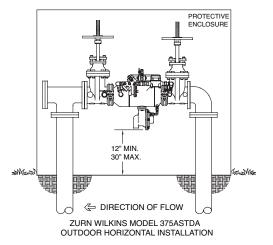
MODEL 375ASTDA 6", 8" & 10" (STANDARD AND METRIC)



Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

Capacity thru Schedule 40 Pipe (GPM)										
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec						
2 1/2"	75	112	149	224						
3"	115	173	230	346						
4"	198	298	397	595						
6"	450	675	900	1351						
8"	780	1169	1559	2339						
10"	1229	1843	2458	3687						
12"	1763	2644	3525	5288						



Specifications

The Reduced Pressure Detector Backflow Prevention Assembly shall be certified to NSF/ANSI/CAN 61, ASSE® Listed 1047, and supplied with full port OS & Y gate valves. The main body and access cover shall be 304L Stainless Steel, the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The checks and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Detector Backflow Prevention Assembly shall be a ZURN WILKINS Model 375ASTDA.