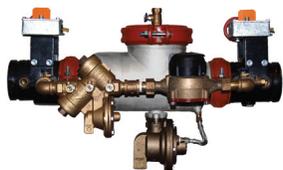


# SPECIFICATION SUBMITTAL SHEET



### FEATURES

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  
 End connections (Grooved for steel pipe) AWWA C606  
 (Flanged) ANSI B16.1  
 Class 125

### OPTIONS

(Suffixes can be combined)

- with flanged end OS & Y gate valves (standard)
- LM - less water meter
- with remote reading meter
- with gpm meter (standard)
- with cu ft/min meter
- G - with grooved end OS&Y gate valves
- FG - with flanged inlet gate connection and grooved outlet gate connection
- MS - with Integral Relief Valve Monitor Switch
- BGVIC - with grooved end butterfly valves with integral supervisory switches
- PI - with Post Indicator Gate Valves

### 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
- Test Cock Lock (Model TCL24)

### DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL 375ASTDA SIZE	WEIGHT							
	WITH OS&Y GATES (GXF)		WITH OS&Y GATES (GXG)		WITH BUTTERFLY VALVES			
	in.	mm	lbs.	kg	lbs.	kg	lbs.	kg
2 1/2	65	137	62	127	58	81	37	
3	80	155	71	143	65	85	39	
4	100	229	104	209	95	96	44	
6	150	364	166	334	152	154	70	
8	200	681	309	627	284	328	149	
10	250	900	408	842	382	434	197	

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

### APPLICATION

Designed for installation on potable 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.

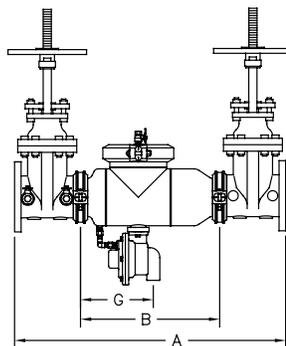
### STANDARDS COMPLIANCE

- ASSE® Listed 1047
- UL® Classified
- C-UL® Classified
- FM® Approved
- CSA® Certified (2-1/2" TO 6")

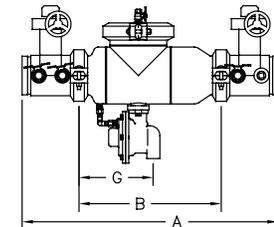
### MATERIALS

Main valve body	304L Stainless steel
Access covers	304L Stainless steel
Internals	Stainless steel, 300 Series NORYL™, NSF Listed
Fasteners & Springs	Stainless Steel, 300 Series
Elastomers	EPDM (FDA approved) Buna Nitrile (FDA approved)
Polymers	NORYL™, NSF Listed
Sensing line	Stainless steel, braided hose

MODEL  
375ASTDA with  
standard OS&Y



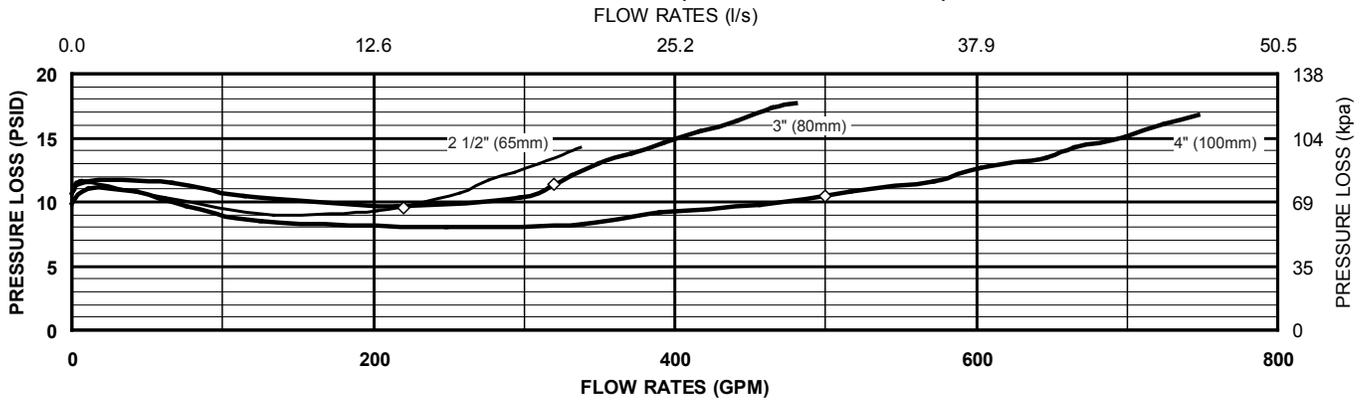
MODEL  
375ASTDA with  
BGVIC option



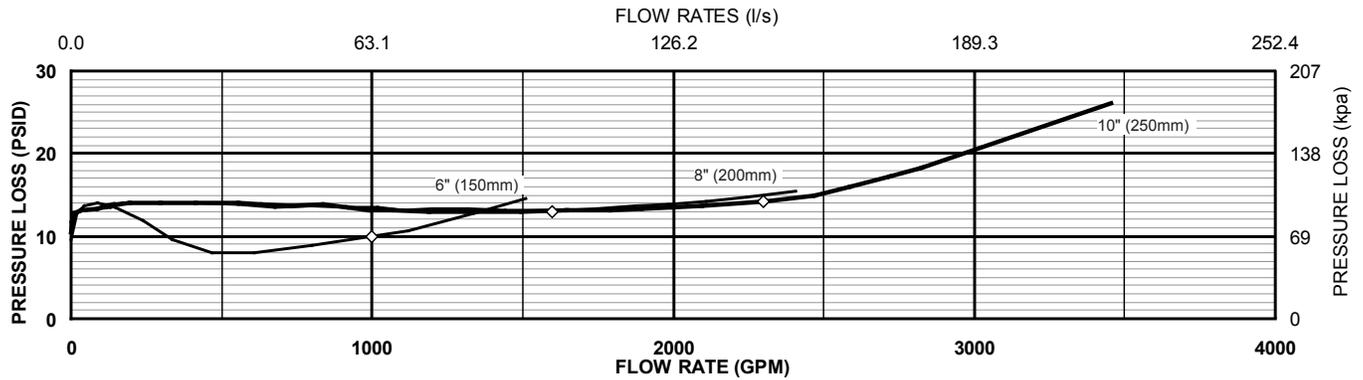
MODEL 375ASTDA SIZE	DIMENSION (approximate)																				
	A		A WITH BUTTERFLY VALVES		B LESS GATE VALVES		C		D		E OS&Y OPEN		E OS&Y CLOSED		E WITH BUTTERFLY VALVES		F		G		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
2 1/2	65	31 7/8	810	28 3/4	730	16 5/8	422	12	305	7 1/4	184	17 3/4	451	15 3/8	391	8	203	9 3/4	248	8 5/8	219
3	80	32 7/8	835	29 3/8	746	16 5/8	422	12	305	7 1/4	184	20 1/4	514	17	432	8	203	9 3/4	248	8 5/8	219
4	100	34 7/8	886	30 1/4	768	16 5/8	422	12	305	8	203	22 1/2	572	18 1/4	464	9 1/8	232	9 3/4	248	8 5/8	219
6	150	43 1/2	1105	36 1/2	927	22 1/4	565	10 1/2	267	10	254	30 1/2	775	24 1/4	616	10 1/8	257	10 3/4	273	11 1/4	286
8	200	52 3/4	1340	45 3/4	1162	29 1/2	749	15 1/8	384	11	279	37	940	28 1/2	724	18 1/2	470	15 5/8	397	13 1/4	337
10	250	55 3/4	1416	49 3/4	1264	29 1/2	749	15 1/8	384	12	305	45 5/8	1159	34 3/4	883	18 1/2	470	15 5/8	397	13 1/4	337

## FLOW CHARACTERISTICS

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



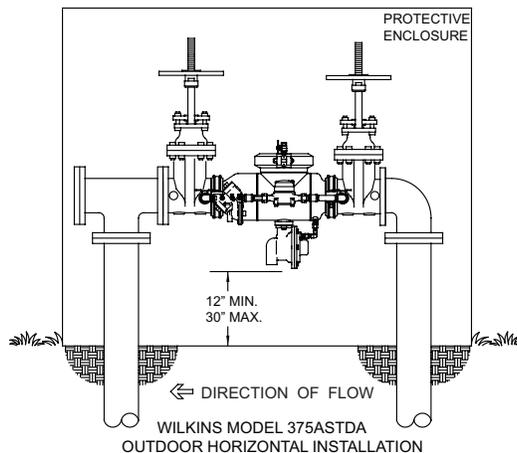
### MODEL 375ASTDA 6", 8" & 10" (STANDARD AND METRIC)



#### 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.

Pipe size	Capacity thru Schedule 40 Pipe (GPM)			
	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 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 WILKINS Model 375ASTDA.