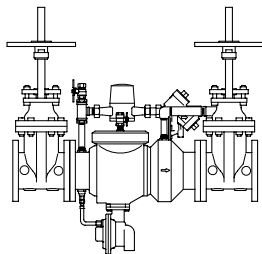


### Model 375DA

Reduced Pressure Detector Assembly  
(Patent No. 5,913,331)



#### FEATURES

Sizes: ☐ 2 1/2" ☐ 3" ☐ 4" ☐ 6" ☐ 8"  
 Maximum working water pressure 175 PSI  
 Maximum working water temperature 140°F  
 Hydrostatic test pressure 350 PSI  
 End connections (Grooved for steel) AWWA C606  
 (Flanged) ANSI B16.1  
 Class 125

#### OPTIONS

(Suffixes can be combined)

- ☐ - with OS & Y gate valves (standard)
- ☐ L - less shut-off valves (flanged body connections)
- ☐ LM - less water meter
- ☐ - with remote reading meter
- ☐ - with gpm meter (standard)
- ☐ - with cu ft/min meter
- ☐ G - with groove end gate valves
- ☐ FG - with flanged inlet gate connection and grooved outlet gate connection
- ☐ FS - with flanged cast iron wye type strainer
- ☐ FSC - with flanged epoxy coated wye type strainer

#### ACCESSORIES

- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ Gate valve tamper switch (OSY-40)
- ☐ Flange by groove adapter (FLA)

#### APPLICATION

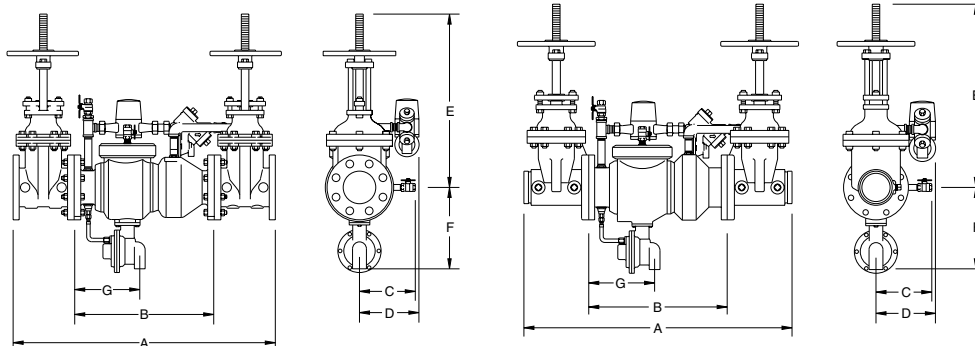
Designed for installation on potable water lines in fire protection systems to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375DA shall provide protection where a potential health hazard exists. Incorporates meter by-pass to detect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

#### STANDARDS COMPLIANCE

- ☐ ASSE® Listed 1047 (sizes 4" & 6")
- ☐ UL® Classified (sizes 2 1/2" thru 6")
- ☐ C-UL® Classified (sizes 2 1/2" thru 6")
- ☐ FM® Approved (sizes 2 1/2" thru 6")

#### MATERIALS

Main valve body Ductile Iron ASTM A 536 Grade 4  
 Access covers Ductile Iron ASTM A 536 Grade 4  
 Coatings FDA Approved fusion epoxy finish  
 Internals Stainless steel, 300 Series  
 NORYL™, NSF Listed  
 Fasteners Stainless Steel, 300 Series  
 Elastomers EPDM (FDA approved)  
 Buna Nitrile (FDA approved)  
 Polymers NORYL™, NSF Listed  
 Springs Stainless steel, 300 series



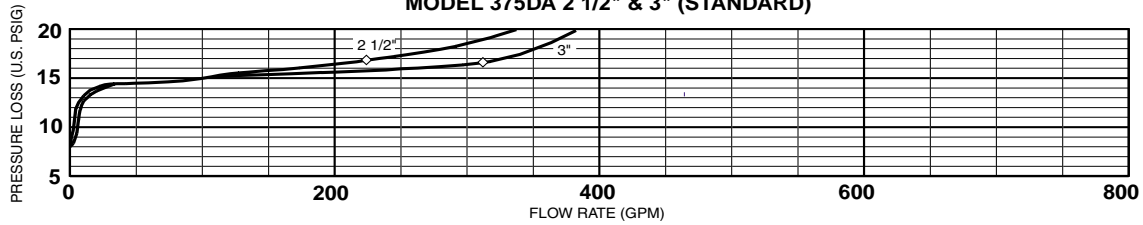
MODEL 375DAG SHOWN

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

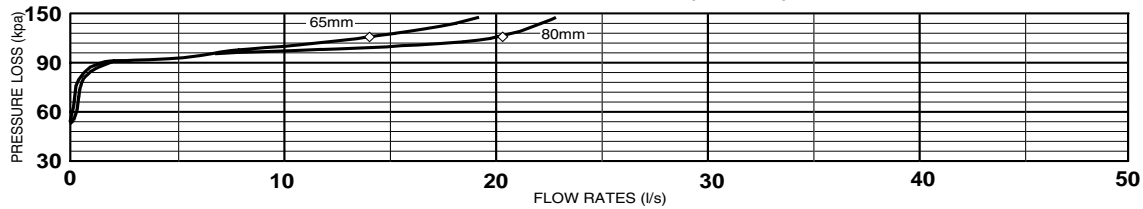
MODEL SIZE		DIMENSIONS (approximate)																WEIGHT			
		A		B LESS GATE VALVES		C		D		E OS&Y OPEN		E OS&Y CLOSED		F		G		LESS GATE VALVES		OS&Y GATE VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
2 1/2	65	31	787	15 7/8	403	7 1/4	184	9	229	16 3/8	416	13 7/8	352	9 1/2	241	8 3/8	213	75	34	185	84
3	80	32	813	15 7/8	403	7 1/4	184	9	229	18 7/8	479	15 5/8	397	9 1/2	241	8 3/8	213	78	35.4	208	94.4
4	100	37 5/8	956	19 1/2	495	8	203	9	229	22 3/4	578	18 1/4	464	11	279	7 1/4	184	116	52.7	306	138.9
6	150	44 5/8	1133	23 1/2	597	10	254	10 1/2	267	30 1/8	765	23 3/4	603	12 3/8	314	9 1/4	235	194	88	494	224.3
8	200	60 5/8	1540	37 1/2	953	11	279	15 1/2	394	37 3/4	959	29 1/4	743	15 3/8	391	13 1/8	333	382	173.4	858	390

## FLOW CHARACTERISTICS

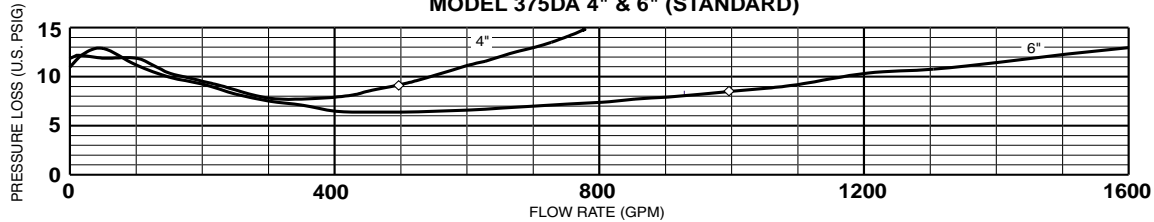
### MODEL 375DA 2 1/2" & 3" (STANDARD)



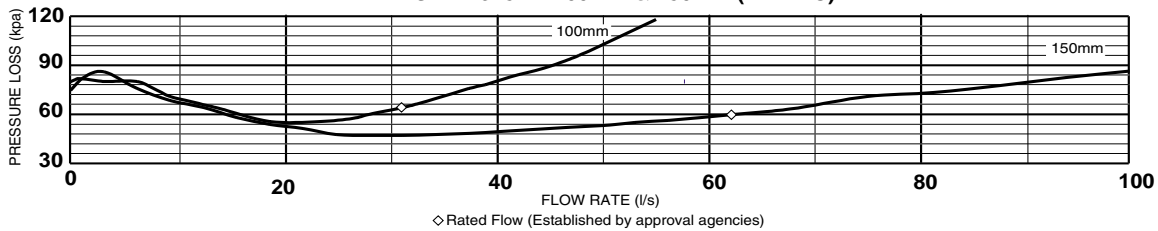
### Model 375DA 65 & 80mm (METRIC)



### MODEL 375DA 4" & 6" (STANDARD)



### MODEL 375DA 100mm & 150mm (METRIC)



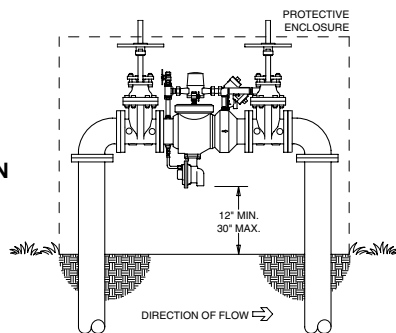
◇ Rated Flow (Established by approval agencies)

## TYPICAL INSTALLATION

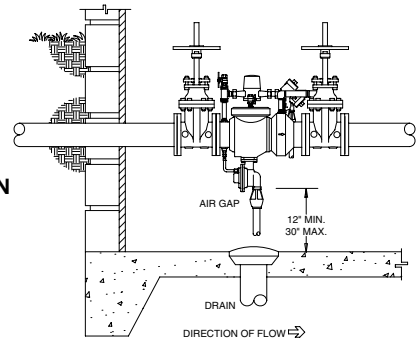
Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate 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

### OUTDOOR INSTALLATION



### INDOOR INSTALLATION



## 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 epoxy coated ductile iron (ASTM A 536 Grade B), 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 375DA.