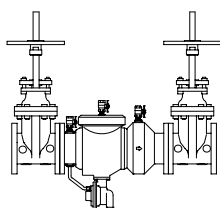


Model 375

Reduced Pressure Principle 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 NRS shut-off valves (standard)
- ☐ FS - with cast iron wye type strainer
- ☐ FSC - with epoxy coated wye type strainer
- ☐ G - with groove end gate valves
- ☐ FG - with flanged inlet gate connection and grooved outlet gate connection
- ☐ L - less shut-off valves (flanged body connections)
- ☐ OSY - with OS & Y gate valves

ACCESSORIES

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

APPLICATION

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375 provides protection where a potential health hazard exists.

STANDARDS COMPLIANCE

- ☐ ASSE® Listed 1013 (sizes 2 1/2" thru 6")
- ☐ IAPMO® Listed (sizes 4" & 6")
- ☐ CSA® Certified (sizes 4" & 6")
- ☐ AWWA Compliant (sizes 2 1/2" thru 6")
- ☐ FM® Approved (sizes 2 1/2" thru 6")
- ☐ UL® Classified (sizes 2 1/2" thru 6")
- ☐ C-UL® Classified (sizes 2 1/2" thru 6")
- ☐ Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California (sizes 4" & 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

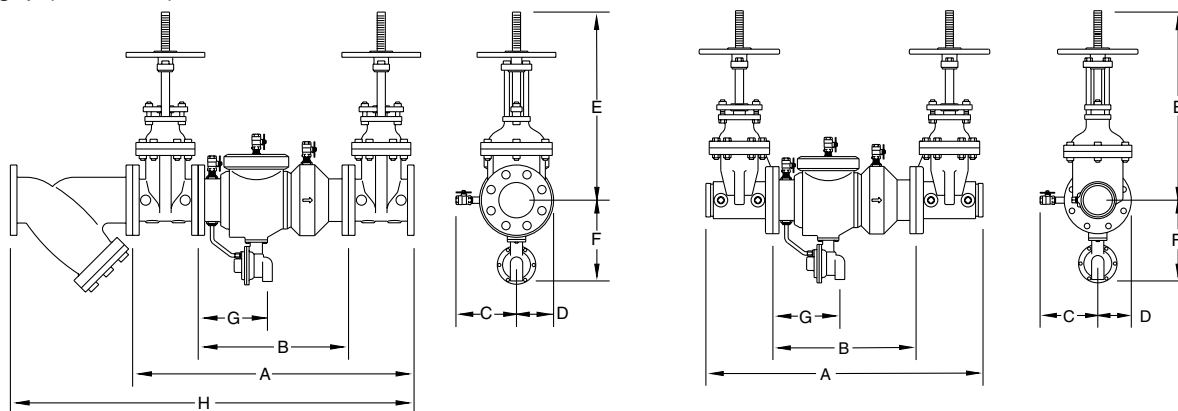
Fasteners Stainless Steel, 300 Series

Elastomers EPDM (FDA approved)

Buna Nitrile (FDA approved)

Polymers NORYL™, NSF Listed

Springs Stainless Steel, 300 Series



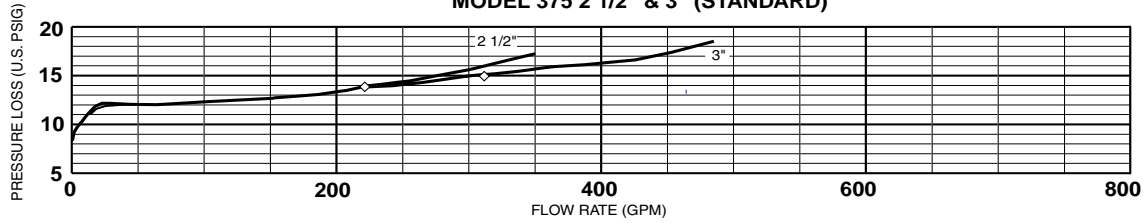
MODEL 375OSYG SHOWN

DIMENSIONS & WEIGHTS (do not include pkg.)

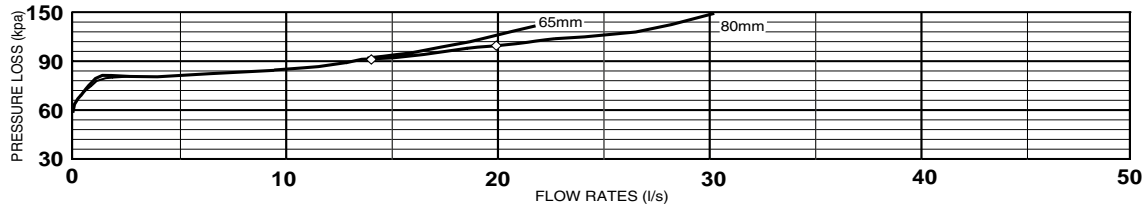
MODEL SIZE		DIMENSIONS (approximate)																		WEIGHT							
		A		B LESS GATE VALVES		C		D		E OS&Y OPEN		E OS&Y CLOSED		E NRS GATE		F		G		H		WITHOUT GATE VALVES		WITH NRS VALVES		WITH OS&Y GATE VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg	lbs.	kg		
2 1/2	65	31	787	15 7/8	403	7 1/4	184	3 3/4	95	16 3/8	416	13 7/8	352	11 3/8	289	9 1/2	241	8 3/8	213	41 1/4	1048	60	27.2	162	73.5	170	77.2
3	80	32	813	15 7/8	403	7 1/4	184	3 3/4	95	18 7/8	479	15 5/8	397	12 3/8	314	9 1/2	241	8 3/8	213	42 3/4	1086	60	27.2	184	83.5	190	86.3
4	100	37 5/8	956	19 1/2	495	8	203	4 1/2	114	22 3/4	578	18 1/4	464	14 3/4	375	11	279	7 1/4	184	52 1/4	1327	98	44.5	278	126.2	288	130.8
6	150	44 5/8	1133	23 1/2	597	10	254	6	152	30 1/8	765	23 3/4	603	19	483	12 3/8	314	9 1/4	235	62 1/4	1581	175	79.5	459	208.4	475	215.6
8	200	60 5/8	1540	37 1/2	953	11	279	10	254	37 3/4	959	29 1/4	743	22 1/2	572	15 3/8	391	13 1/8	333	84 7/8	2156	377	171	829	376.4	853	387.3

FLOW CHARACTERISTICS

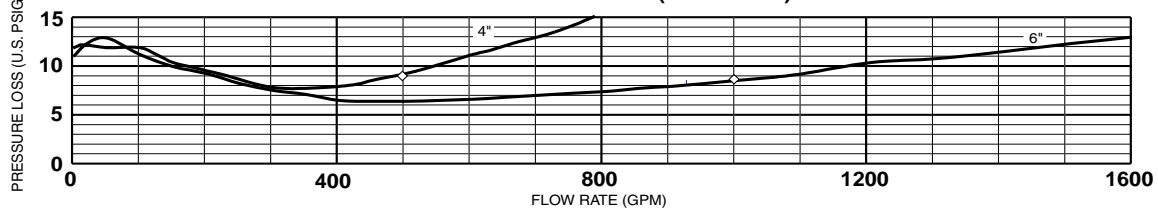
MODEL 375 2 1/2" & 3" (STANDARD)



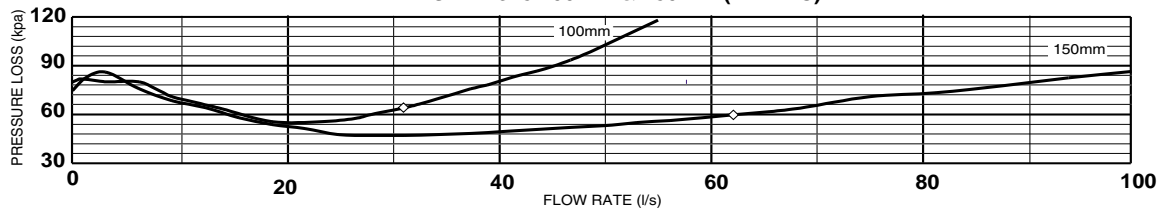
Model 375 65 & 80mm (METRIC)



MODEL 375 4" & 6" (STANDARD)



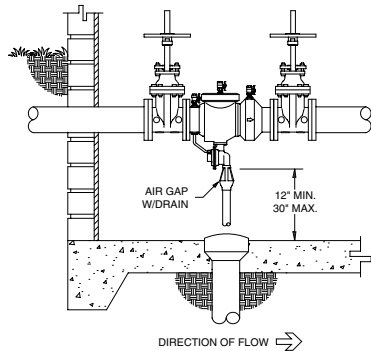
MODEL 375 100mm & 150mm (METRIC)



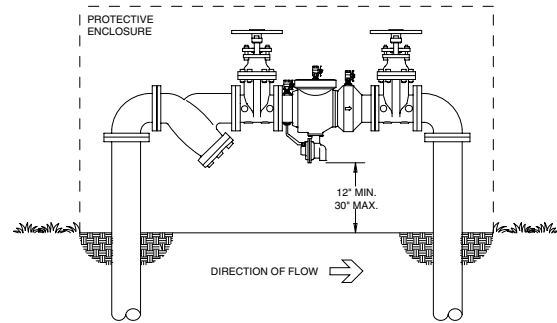
◇ Rated Flow (Established by approval agencies)

TYPICAL INSTALLATION

Local codes shall govern installation requirements. 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.



INDOOR INSTALLATION



OUTDOOR INSTALLATION

SPECIFICATIONS

The Reduced Pressure Principle Backflow Prevention Assembly shall be ASSE® Listed 1013, and supplied with full port 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 Principle Backflow Prevention Assembly shall be a WILKINS Model 375.

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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