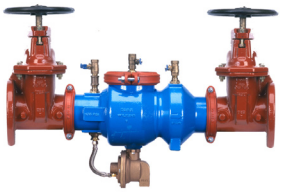
WILKINS
a ZURN company

Model 375A
Reduced Pressure Principle Assembly
SPECIFICATION SUBMITTAL SHEET



(with NRS gates)

(with BGVIC valves)

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

*2 1/2 & 3" sizes use 4" body & reducer couplings

OPTIONS (Suffixes can be combined)

- ❑ - with flanged end NRS gate valves (standard)
- ❑ FSC - with epoxy coated wye type strainer (flanged only)
- ❑ G - with grooved end NRS gate valves
- ❑ GF - with grooved inlet gate connection and flanged outlet gate connection
- ❑ FG - with flanged inlet gate connection and grooved outlet gate connection
- ❑ L - less shut-off valves (grooved body connections)
- ❑ MS - with Integral Relief Valve Monitor Switch
- ❑ OSY - with flanged end OS&Y gate valves
- ❑ OSYG - with grooved end OS&Y gate valves
- ❑ BGVIC - with grooved end butterfly valves with integral supervisory switches

ACCESSORIES

- ❑ Repair kit (rubber only)
- ❑ Thermal expansion tank (Model XT)
- ❑ OS & Y Gate valve tamper switch (OSY-40)
- ❑ Air gap (Model AG)
- ❑ Electronic Solenoid Timer (Model EST)
- ❑ QT-SET Quick Test Fitting Set
- ❑ Test Cock Lock (Model TCL24)

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL 375A SIZE		WEIGHT											
		WITHOUT GATES		WITH NRS GATES (GXF)		WITH OS&Y GATES (GXF)		WITH NRS GATES (GXG)		WITH OS&Y GATES (GXG)		WITH BUTTERFLY VALVES (GXG)	
in.	mm	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
2 1/2	65	97	44	191	87	199	90	183	83	191	87	116	53
3	80	96	43.5	211	96	217	98	201	91	207	94	117	53
4	100	83	38	227	103	237	108	201	91	211	96	115	52
6	150	136	62	356	162	372	169	326	148	342	155	188	85
8	200	305	139	757	344	781	355	757	344	757	344	413	188
10	250	358	162	985	447	1043	473	863	391	921	418	530	241

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 375A provides protection where a potential health hazard exists. Ideal for use where lead-free* valves are required.

STANDARDS COMPLIANCE

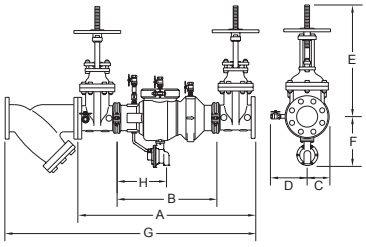
- ASSE® Listed 1013
- AWWA Compliant C511 (with gates only), and C550
- IAPMO® Listed
- CSA® Certified (2-1/2" - 8")
- UL® Classified
- C-UL® Classified
- FM® Approved
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.
- NYC MEA 484-04-M
- NSF® Listed-Standard 61, Annex G*

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

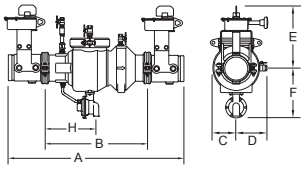
MATERIALS

Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved electrostatic epoxy finish
Internals	Stainless steel, 300 Series NORYL™, NSF Listed
Fasteners & Springs	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Sensing line	Stainless Steel, braided hose

MODEL 375A with OSY & FSC option



MODEL 375A with BGVIC option



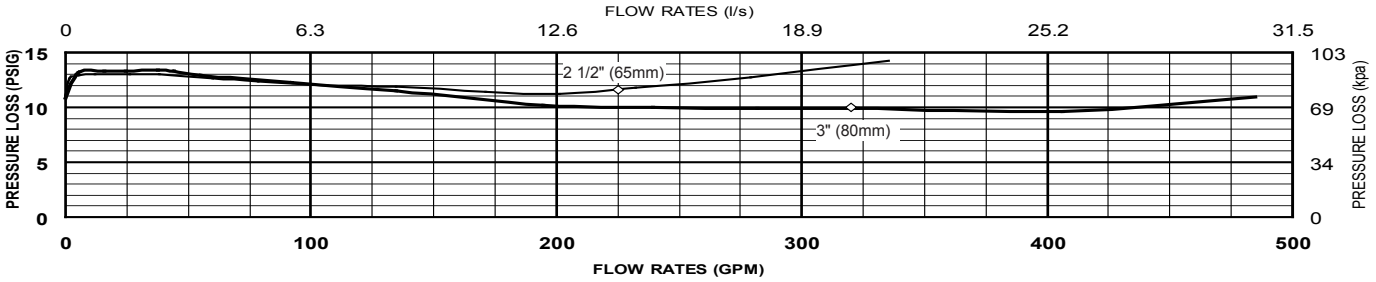
Relief Valve discharge port:
2 1/2" - 6" - 2.75 sq. in.
8" - 10" - 3.69 sq. in.

Attention: Model 375A (grooved body) and Model 375 (flange body) have different lay lengths.

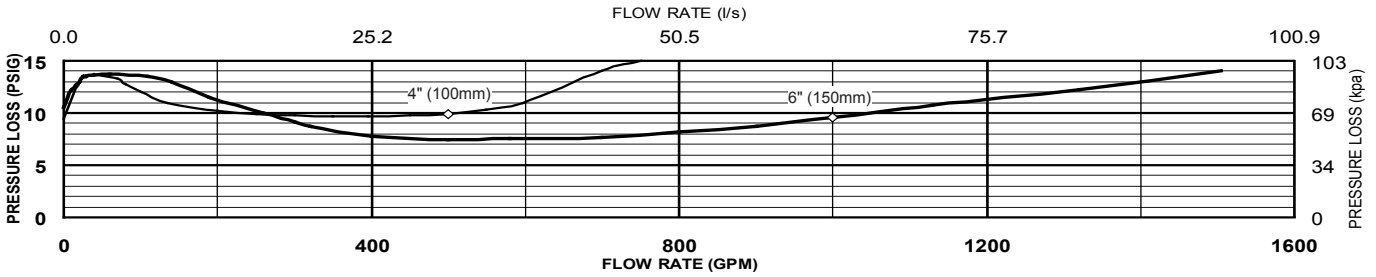
MODEL 375A SIZE		DIMENSION (approximate)																							
		A		A WITH BUTTERFLY VALVES		B LESS GATE VALVES		C		D		E OS&Y OPEN		E OS&Y CLOSED		E NRS GATE		E WITH BUTTERFLY VALVES		F		G		H	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2 1/2	65	35 1/8	892	32 1/8	816	20 1/8	511	4 1/2	114	7 1/4	184	16 3/8	416	13 7/8	352	11 3/8	289	8	203	11	279	45 1/4	1150	9 5/8	247
3	80	36 1/8	918	33	838	20 1/8	511	4 1/2	114	7 1/4	184	18 7/8	479	15 5/8	397	12 3/8	314	8	203	11	279	46 7/8	1191	9 5/8	247
4	100	38 1/4	972	33 1/4	845	19 7/8	505	4 1/2	114	8	203	22 3/4	578	18 1/4	464	14 3/4	375	9 1/8	232	11	279	53 3/8	1356	9 5/8	247
6	150	47 1/4	1200	40 1/4	1022	25 7/8	657	5 1/2	140	10	254	30 1/8	765	23 3/4	603	19	483	10 1/8	257	12 3/8	314	65 3/8	1661	13	330
8	200	62	1575	55	1397	38 1/2	978	10	254	11	279	37 3/4	959	29 1/4	743	22 1/2	572	11 15/16	303	15 3/8	391	86 3/8	2194	17 5/16	440
10	250	64 5/8	1641	58 1/2	1485	38 1/2	978	10	254	12	305	45 3/4	1162	35 3/8	899	26 1/2	673	13 5/16	338	15 3/8	391	94 3/8	2398	17 1/8	435

FLOW CHARACTERISTICS

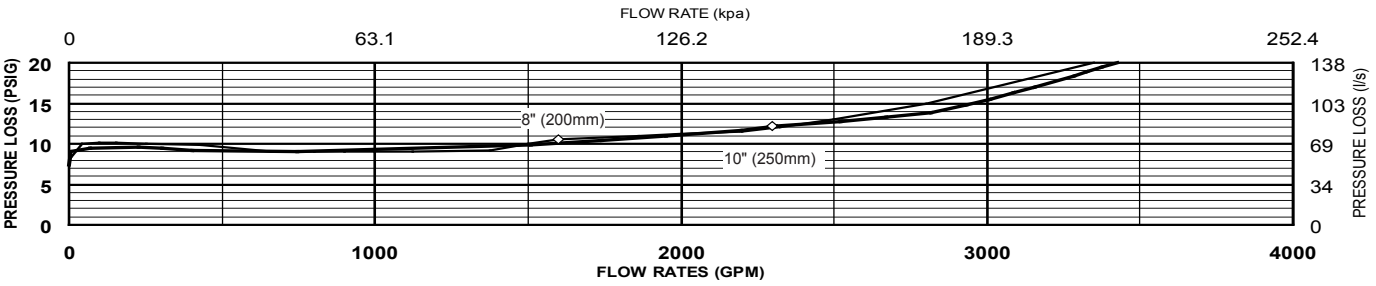
MODEL 375A 2-1/2" - 3" (STANDARD AND METRIC)



MODEL 375A 4" & 6" (STANDARD & METRIC)



MODEL 375A 8" & 10" (STANDARD AND METRIC)

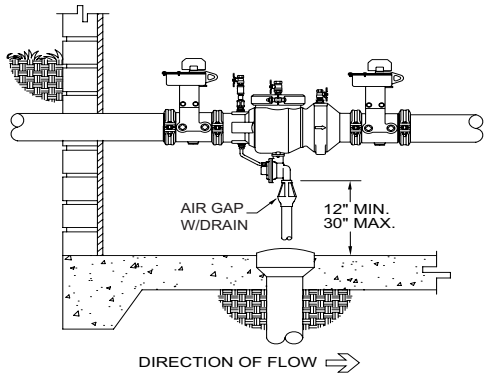


◇ Rated Flow (Established by approval agencies)

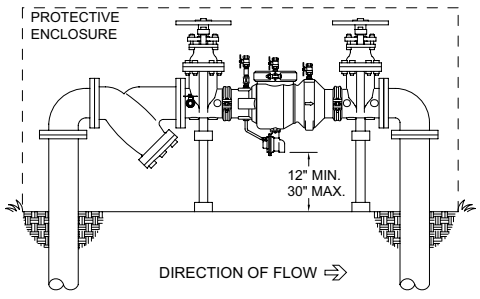
TYPICAL INSTALLATION

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.

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



INDOOR INSTALLATION (375A with BGVIC option)



OUTDOOR INSTALLATION (375A with FSC option)

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 4), 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 375A.