Model PI

Backflow Preventers With Zurn Wilkins Post Indicator Gate Valve

Application

Designed for installation on potable water lines to protect against both backsiphonage and back pressure. The level of backflow protection is dependent upon the assembly specified. The Post Indicator Gate Valves are supplied with a universal indicator post flange and operating nut, which are easily adaptable to vertical indicator posts and wall type indicator posts. Indicator Posts are used in fire protection systems or other installations where it is necessary to tell at a glance if the valve is in the open or closed position and a sealed housing is required.

Standards Compliance

See specific Model specification sheets for approval status.

Models

350, 350DA, 450, 450DA, 375, 375DA, 475, 475DA, 475V , 475DAV

Sizes

4", 6, 8", 10"

Features

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

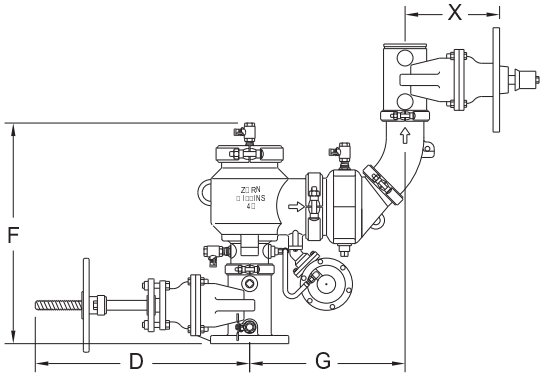
Options

(Suffixes can be combined)

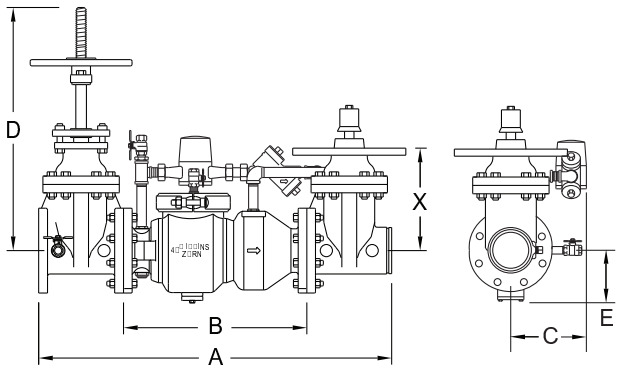
- ☐ OSYPI - with OS&Y flanged inlet gate connection and Post Indicator flanged outlet gate connection
- ☐ OSYPIG - with OS&Y grooved inlet gate connection and Post Indicator grooved outlet gate connection
- ☐ OSYPIFG - with OS&Y flanged inlet gate connection and Post Indicator grooved outlet gate connection
- ☐ LM - less water meter
- ☐ - with gpm meter (standard)
- ☐ - with cu ft/min meter
- ☐ FS - with cast iron wye strainer (flanged only)
- ☐ FSC - with epoxy coated wye strainer (flanged only)

Accessories

- ☐ Repair Kit
- ☐ Thermal expansion tank (Model XT)
- ☐ OS&Y Gate Valve tamper switch (OSY-40)



Model 475VOSYPIFG Shown



Model 350DAOSYPIFG Shown

Dimensions (do not include packaging)

SIZE		DIMENSIONS (approximate)																			
		A		B		C		D (NRS gates)		D (OS&Y open)		D (OS&Y closed)		E		F		G		X	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4	100	37 5/8	956	19 1/2	495	9	229	14 1/2	368	22 1/2	572	18 1/4	464	6	152	21	533	18	481	11	279
6	150	44 3/4	1137	23 1/2	597	10 1/2	267	18	457	30 1/2	775	24 1/4	616	7	178	22	559	21	533	14 5/8	343
8	200	60 3/4	1543	37 3/4	959	12	305	21 1/8	537	37	940	28 1/2	724	8 1/2	216	37 7/8	962	30	770	17 3/4	451
10	250	63 3/4	1619	37 3/4	959	12	305	24 3/4	629	45 5/8	1159	34 3/4	883	8 1/2	216	39 3/8	1000	30	770	21 3/8	543

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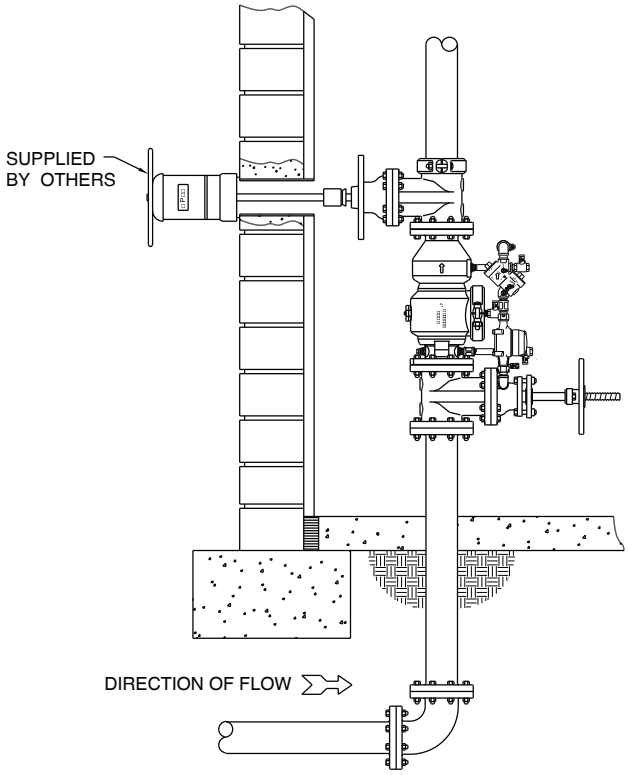
Product No. Model PIWILKINS

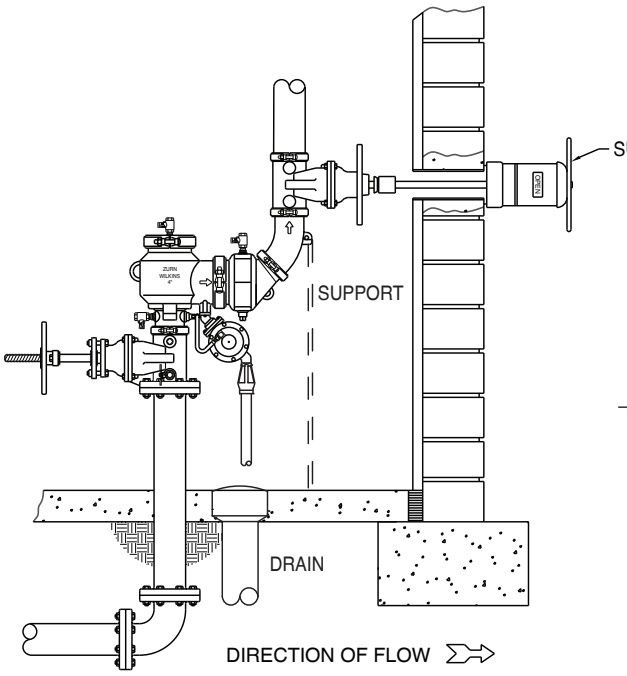
Typical Installation

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 grade or adequate drains with sufficient side clearance for testing and maintenance.

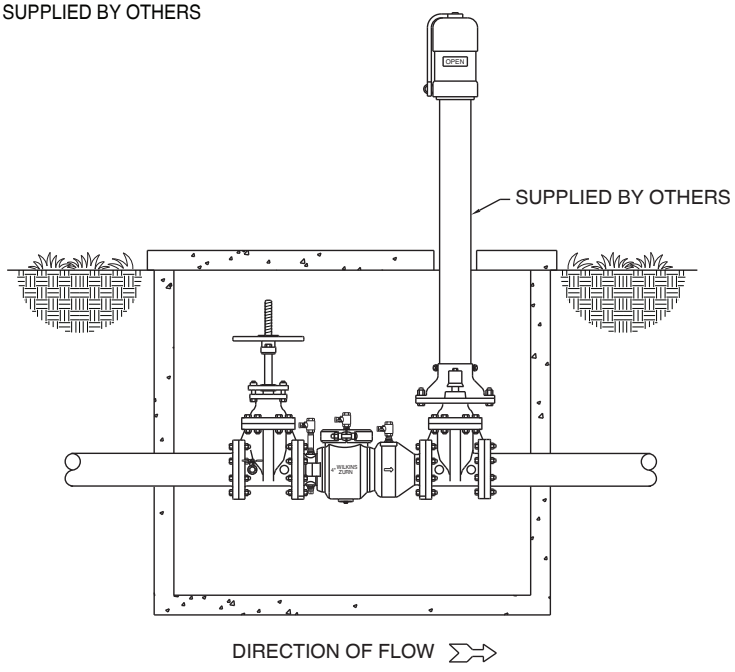
Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 1/2"	75	112	149	224
3"	115	173	230	346
4"	198	298	397	595
6"	450	675	900	1351
8"	780	1169	1559	2339
10"	1229	1843	2458	3687



TYPICAL INSTALLATION 350DAOSYPIFG



TYPICAL INSTALLATION 475VOSYPIFG



TYPICAL INSTALLATION 350OSYPI

Specifications

The Backflow Preventer with Post Indicator shall be of a Double Check, Double Check Detector, Reduced Pressure Principle, or Reduced Pressure Detector type. The Backflow Assembly shall be ASSE ® Listed. The main body and access cover shall be epoxy coated ductile iron (ASTM A536 Grade 4), the seat ring and check valve shall be NORYL™ and the seat disc elastomers shall be EPDM. The Assembly shall include an OS&Y as well as a Post Indicator gate valve. The Assembly shall be a ZURN WILKINS Model 300 or 400 Series Backflow Prevention Assembly.