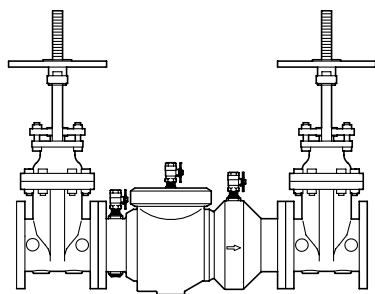


Model 350

Double Check Valve 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 WXTP)
- ☐ Flange by Groove adapter (FLA)
- ☐ Gate valve tamper switch (OSY-40)

APPLICATION

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. The Model 350 shall provide protection where a potential health hazard does not exist.

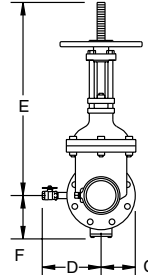
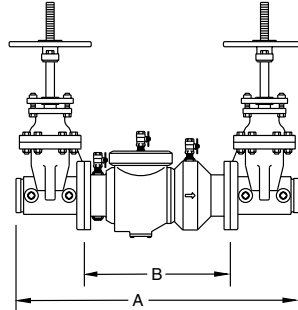
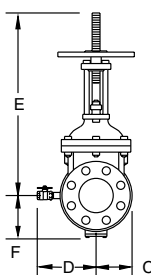
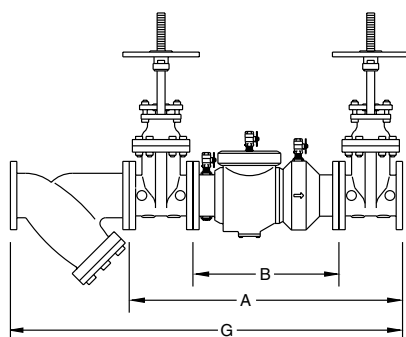
STANDARDS COMPLIANCE

(unless otherwise noted, applies to sizes 2 1/2" thru 6" Horizontal and Vertical flow-up)

- ☐ ASSE® Listed 1015
- ☐ CSA® Certified (Horizontal and Vertical Flow-Up, 4" & 6")
- ☐ IAPMO® Listed (Horizontal and Vertical Flow-Up, 4" & 6")
- ☐ AWWA Compliant
- ☐ UL® Classified
- ☐ C-UL® Classified
- ☐ FM® Approved
- ☐ Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California (Horizontal and Vertical Flow-Up, 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



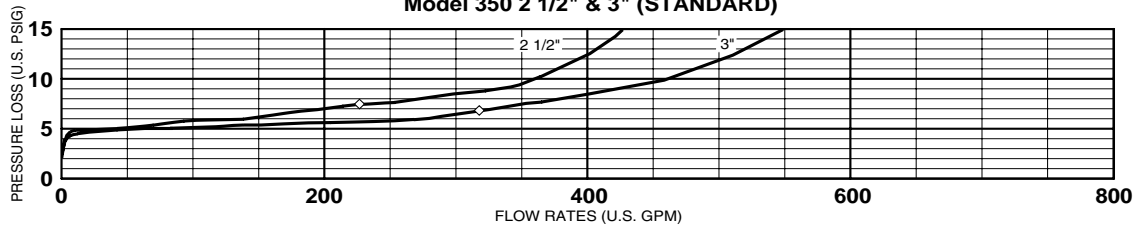
MODEL 350SYG SHOWN

DIMENSIONS & WEIGHTS (do not include pkg.)

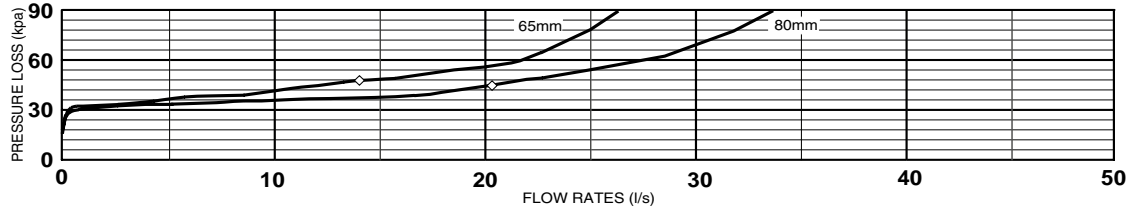
MODEL SIZE		DIMENSION (approximate)																WEIGHT							
		A		B LESS GATE VALVES		C		D		E OS&Y OPEN		E OS&Y CLOSED		E NRS GATE		F		G		WITHOUT GATE VALVES		WITH NRS GATE VALVES		WITH OS&Y GATE VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg	lbs.	kg
2 1/2	65	31	791	15 7/8	403	3 3/4	95	7 1/4	184	16 3/8	416	13 7/8	352	11 3/8	289	3 1/2	89	41 1/4	1048	53	24.1	155	70.4	163	74
3	80	32	816	15 7/8	403	3 3/4	95	7 1/4	184	18 7/8	479	15 5/8	397	12 3/8	314	3 1/2	89	42 3/4	1086	53	24.1	177	80.4	183	83
4	100	37 5/8	956	19 1/2	495	4 1/2	114	8	203	22 3/4	578	18 1/4	464	14 3/4	375	6	152	52 1/4	1327	91	41.3	271	123	281	127.6
6	150	44 5/8	1133	23 1/2	597	6	152	10	254	30 1/8	765	23 3/4	603	19	483	7	178	62 1/4	1581	165	74.9	449	203.8	465	211
8	200	60 5/8	1540	37 1/2	953	10	254	11	279	37 3/4	959	29 1/4	743	22 1/2	572	8 1/2	216	84 7/8	2156	358	162.5	810	367.7	834	378.6

FLOW CHARACTERISTICS

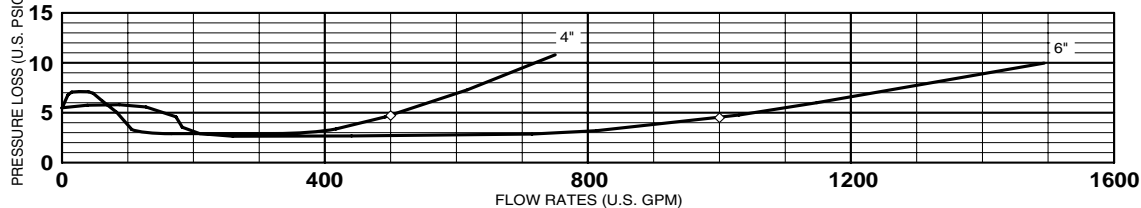
Model 350 2 1/2" & 3" (STANDARD)



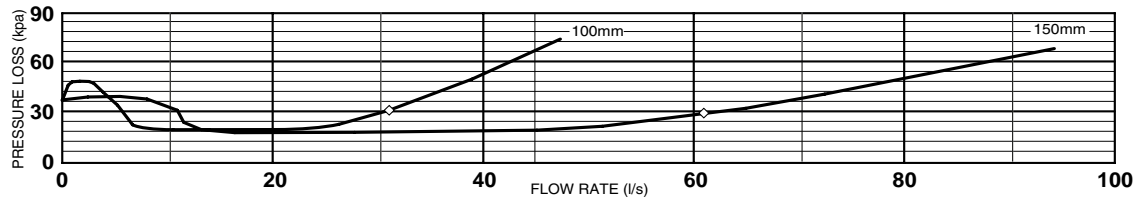
Model 350 65 & 80mm (METRIC)



Model 350 4" & 6" (STANDARD)



MODEL 350 100 & 150mm (METRIC)

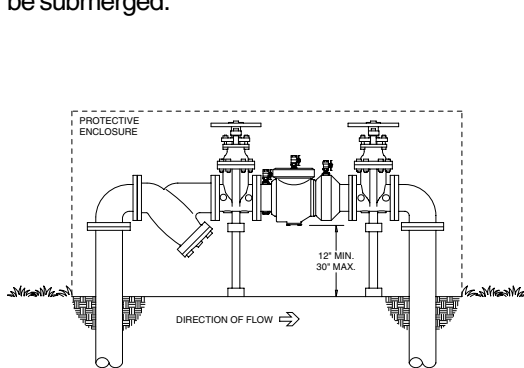


◇ Rated Flow (Established by approval agencies)

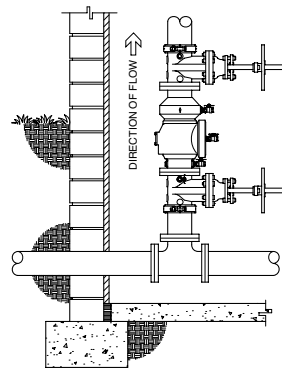
TYPICAL INSTALLATION

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.

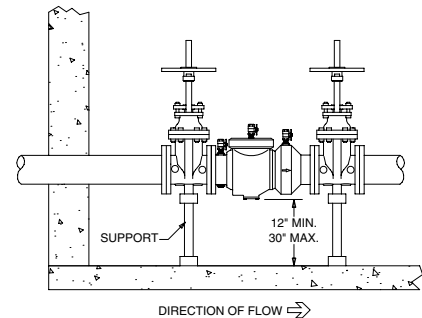
Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 1/2"	75	112	149	224
3"	115	173	230	346
4"	198	298	397	595
6"	450	675	900	1351
8"	780	1169	1559	2339
10"	1229	1843	2458	3687



OUTDOOR INSTALLATION



VERTICAL INSTALLATION



INDOOR INSTALLATION

SPECIFICATIONS

The Double Check Backflow Prevention Assembly shall be ASSE® Listed 1015, 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 shall be accessible for maintenance without removing the device from the line. The Double Check Backflow Prevention Assembly shall be a WILKINS Model 350.

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