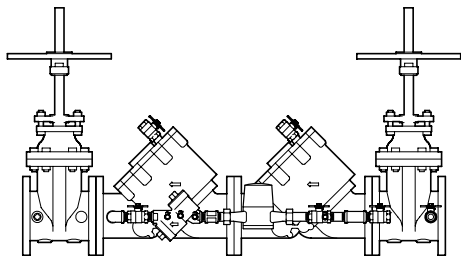


Model 950DA

Double Check Detector Assembly



APPLICATION

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

FEATURES

Sizes: ☐ 2½" ☐ 3" ☐ 4"
☐ 6" ☐ 8" ☐ 10"

Maximum working water pressure 175 PSI
 Maximum working water temperature 140°F
 Hydrostatic test pressure 350 PSI
 End connections Flanged ANSI B16.1
 Class 125

OPTIONS

(Suffixes can be combined)

- ☐ - with OS & Y gate valves (standard)
- ☐ G - with grooved by flanged OS&Y gate valves
- ☐ L - less shut-off valves
- ☐ LM - less water meter
- ☐ - with remote reading meter
- ☐ - with gpm meter (standard)
- ☐ - with cu ft/min meter

ACCESSORIES

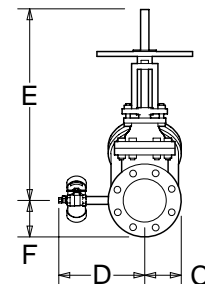
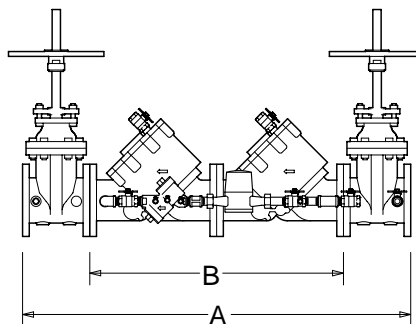
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ Gate valve tamper switch (OSY-40)

STANDARDS COMPLIANCE

- ☐ ASSE® Listed 1048 (Horizontal and Vertical Flow-Up)
- ☐ AWWA Compliant (Horizontal and Vertical Flow-Up)
- ☐ UL® Classified
- ☐ C-UL® Classified
- ☐ CSA® Certified (Horizontal and Vertical Flow-Up)
- ☐ FM® Approved (Horizontal and Vertical Flow-Up)
- ☐ Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

MATERIALS

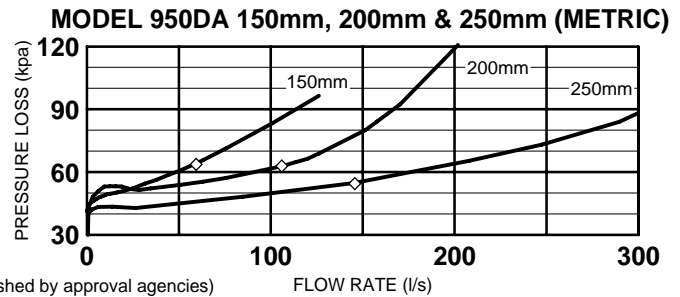
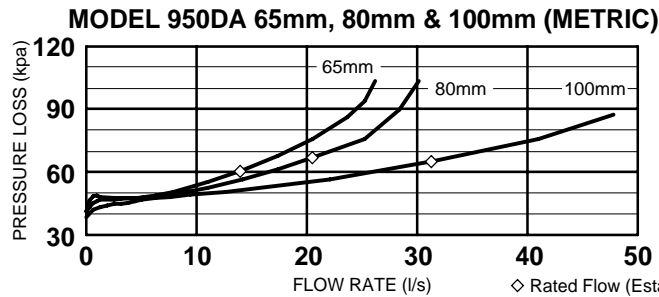
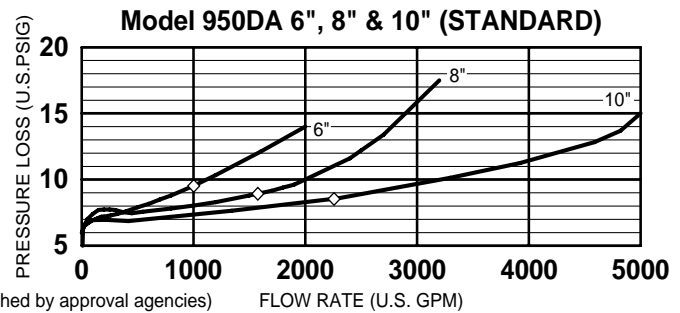
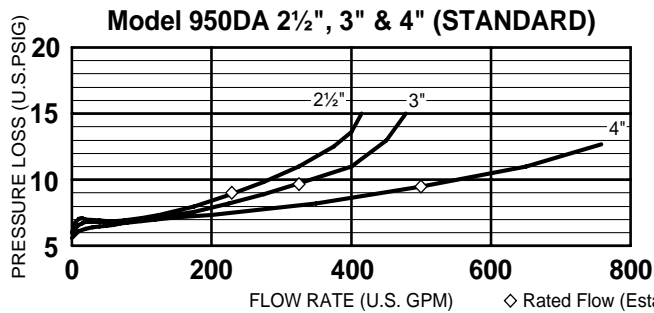
Main valve body Cast Iron ASTM A126 Class B
 Access covers Cast Iron ASTM A126 Class B
 Coatings FDA Approved Epoxy finish
 Internals Stainless Steel, 300 Series
 Cast Bronze ASTM B 584
 Elastomers EPDM (FDA approved)
 Buna Nitrile (FDA approved)
 Polymers Delrin™, NSF Listed
 Springs Stainless steel, 300 series



DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)														WIEGHT			
		A		B WITHOUT GATE VALVES		C		D		E OS&Y GATE VALVES OPEN		E OS&Y GATE VALVES		F		WITHOUT GATE VALVES		WITH OS&Y GATE VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
2 1/2"	65	37 1/8	943	22	559	4	102	10	254	16	406	14	356	4	102	101	45.9	211	95.8
3"	80	38 1/8	968	22	559	4	102	10	254	20	508	16	406	4	102	101	45.9	235	107
4"	100	50 1/4	1276	32 1/8	816	5	127	10	254	23	584	19	483	5	127	242	109.9	418	189.8
6"	150	62	1575	41	1041	6	152	14	356	31	787	25	635	6	152	536	243.3	812	368.6
8"	200	71 1/8	1807	48	1219	7 1/2	191	16	406	39	991	30	762	7 1/2	191	847	384.5	1275	578.9
10"	250	84 1/8	2137	58	1473	9	229	18	457	46	1168	36	914	9	229	1320	599.3	2040	926.2

FLOW CHARACTERISTICS

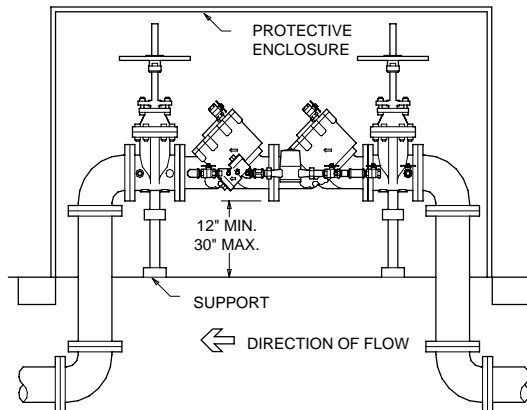


TYPICAL INSTALLATION

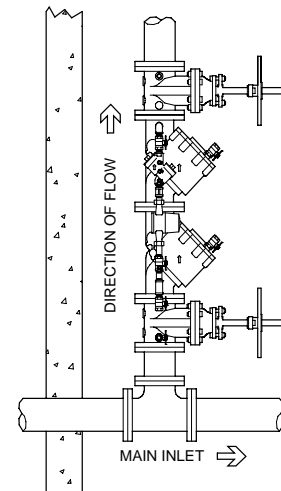
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the 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

SPECIFICATIONS

The double check detector backflow preventer shall be ASSE® Listed 1048, and supplied with full port gate valves. The main body and access covers shall be epoxy coated cast iron (ASTM A126 Class B), the seat ring and check valve shall be cast bronze (ASTM B 584), the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The first and second check valves shall be accessible for maintenance without removing the device from the line. The double check detector backflow preventer shall be a WILKINS Model 950DA.