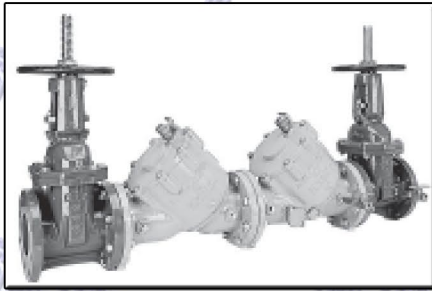


# SPECIFICATION SUBMITTAL SHEET



### 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 NRS gates valves (standard)
- ☐ G - with groove end NRS gate valves
- ☐ L - less shut-off valves
- ☐ OSY - with OS & Y gate valves
- ☐ OSYG - with groove end OS & Y gate valves
- ☐ FS - with cast iron "Y" type flanged strainer
- ☐ FSC - with cast iron "Y" type flanged strainer fusion epoxy coated

### ACCESSORIES

- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)

### APPLICATION

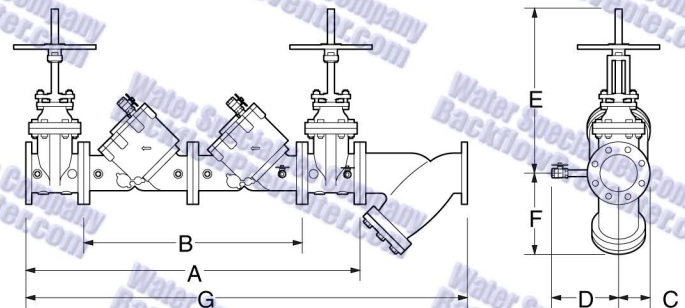
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard does not exist.

### STANDARDS COMPLIANCE

- ASSE® Listed 1015 (Horizontal and Vertical Flow Up)
- CSA® Certified (Horizontal and Vertical Flow-Up)
- IAPMO® Listed (Horizontal)
- AWWA Compliant C510 (Horizontal)
- UL® Classified (Horizontal)
- C-UL® Classified (Horizontal)
- FM® Approved (Horizontal)
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California (Horizontal (all sizes) and Vertical flow up ( 8") installations)

### 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



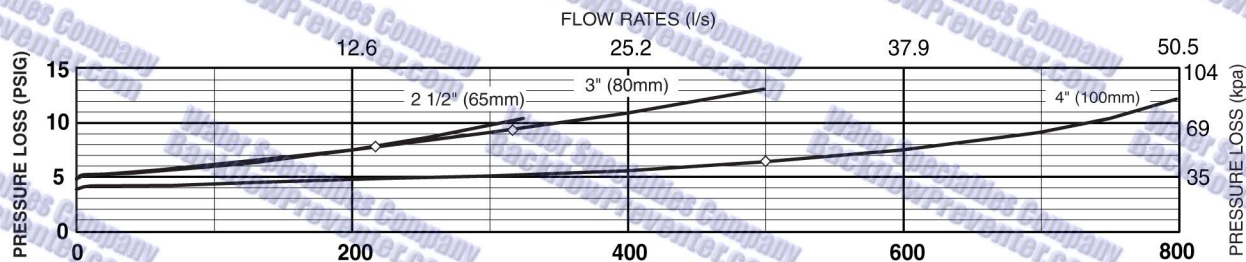
### DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE	DIMENSIONS (approximate)																		WEIGHT						
	A		B WITHOUT GATE VALVES		C		D		E OS&Y GATE VALVE OPEN		E OS&Y GATE VALVE CLOSED		E NRS GATE VALVE		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	lbs.	kg	lbs.	kg	lbs.	kg	
2 1/2	65	37 1/8	943	22	559	4	102	8	203	16 3/8	416	13 7/8	352	11 3/8	289	8 3/8	213	47	1194	81	36.8	183	83.1	191	86.7
3	80	38 1/8	968	22	559	4	102	8	203	18 7/8	479	15 5/8	397	12 3/8	314	9 1/4	235	48 3/4	1238	81	36.8	205	93.1	211	95.8
4	100	50 1/4	1276	32 1/8	816	5	127	8	203	22 3/4	578	18 1/4	464	14 3/4	375	12 1/2	318	65 1/4	1657	222	100.8	402	182.5	412	187
6	150	62 1/8	1578	41	1041	6	152	10	254	29 1/4	765	23 3/4	603	19	483	14	356	80	2032	516	234	800	363.2	816	370
8	200	71 1/8	1807	48	1219	7 1/2	191	11	279	37 3/4	959	29 1/4	743	22 1/2	572	17 3/4	451	95 1/4	2419	827	375.5	1279	581	1303	591.6
10	250	84 1/8	2137	58	1473	9	229	12	305	45 3/4	1162	35 3/8	899	26 1/2	673	21 1/4	540	113	2889	1390	631	2159	976.1	2208	1002

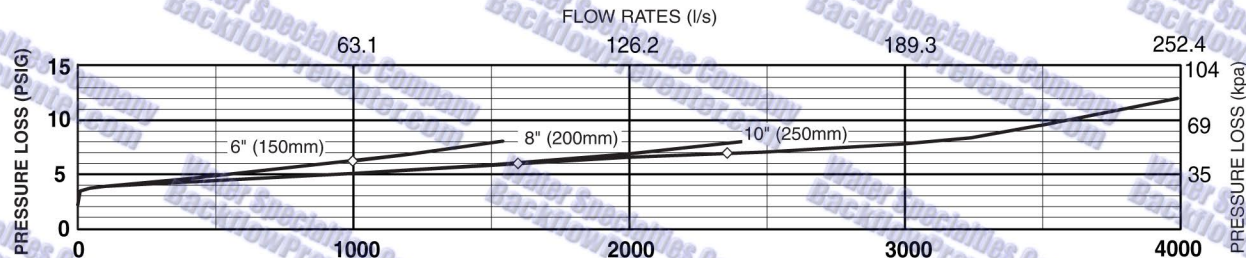


## FLOW CHARACTERISTICS

### MODEL 950 2 1/2", 3" & 4" (STANDARD & METRIC)



### MODEL 950 6", 8" & 10" (STANDARD & METRIC)



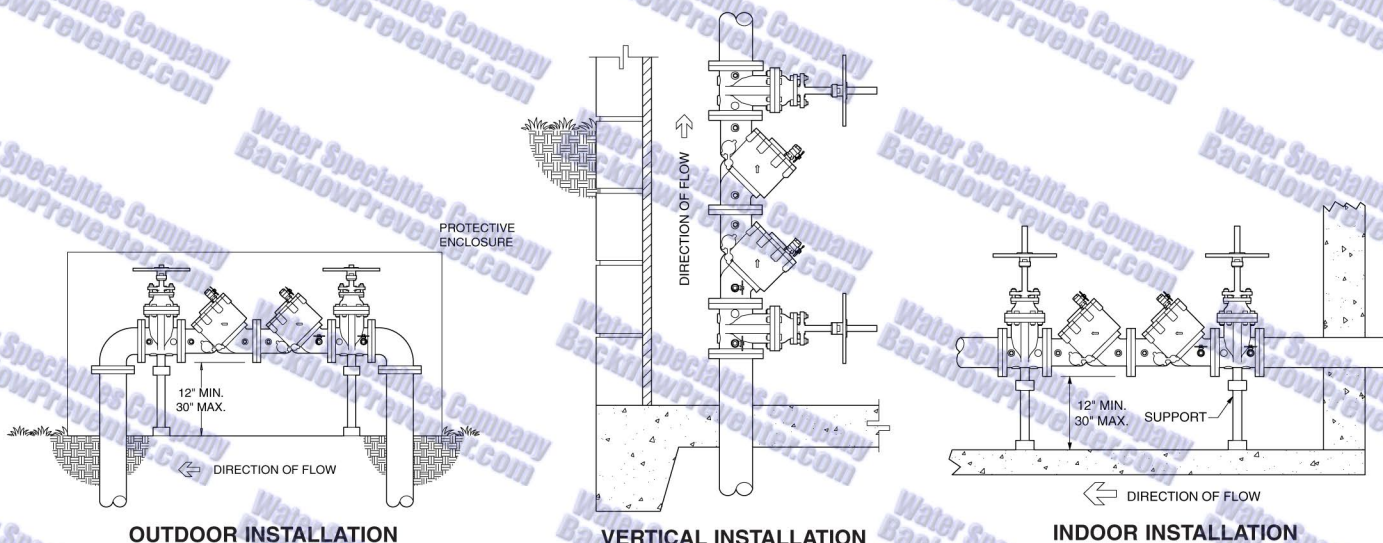
◇ Rated Flow (Established by approval agencies)

## 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



## SPECIFICATIONS

The Double Check Backflow Preventer shall be ASSE® Listed 1015, 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 checks shall be accessible for maintenance without removing the device from the line. The Double Check Backflow Preventer shall be a WILKINS Model 950.