

SPECIFICATION SHEET MODEL 850U (1/2" - 2")



Double Check Assembly with Union End Ball Valves

Characteristics

Physical Properties

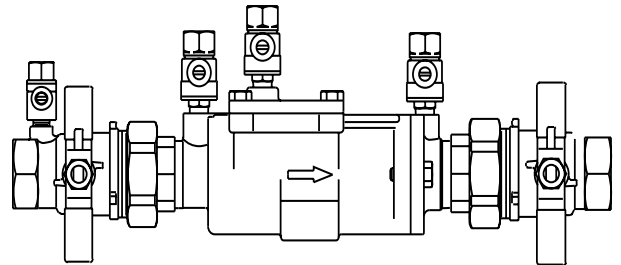
Size	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Max. Working Pressure	175 PSI (1200 KPa)
Hydrostatic Test Press.	350 PSI (2400 KPa)
Temperature Range	32°F to 140°F (0°C to 60°C)
End Connections	Threaded ANSI B2.1

Materials

Valve Body	Bronze
Elastomers	Silicone
Springs	Stainless Steel

Agency Compliance

- ANSI/AWWA Conformance (C510-92)
- ASSE Conformance (Std. 1015)
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.



MODEL 850U (1/2" - 2") DOUBLE CHECK ASSEMBLY

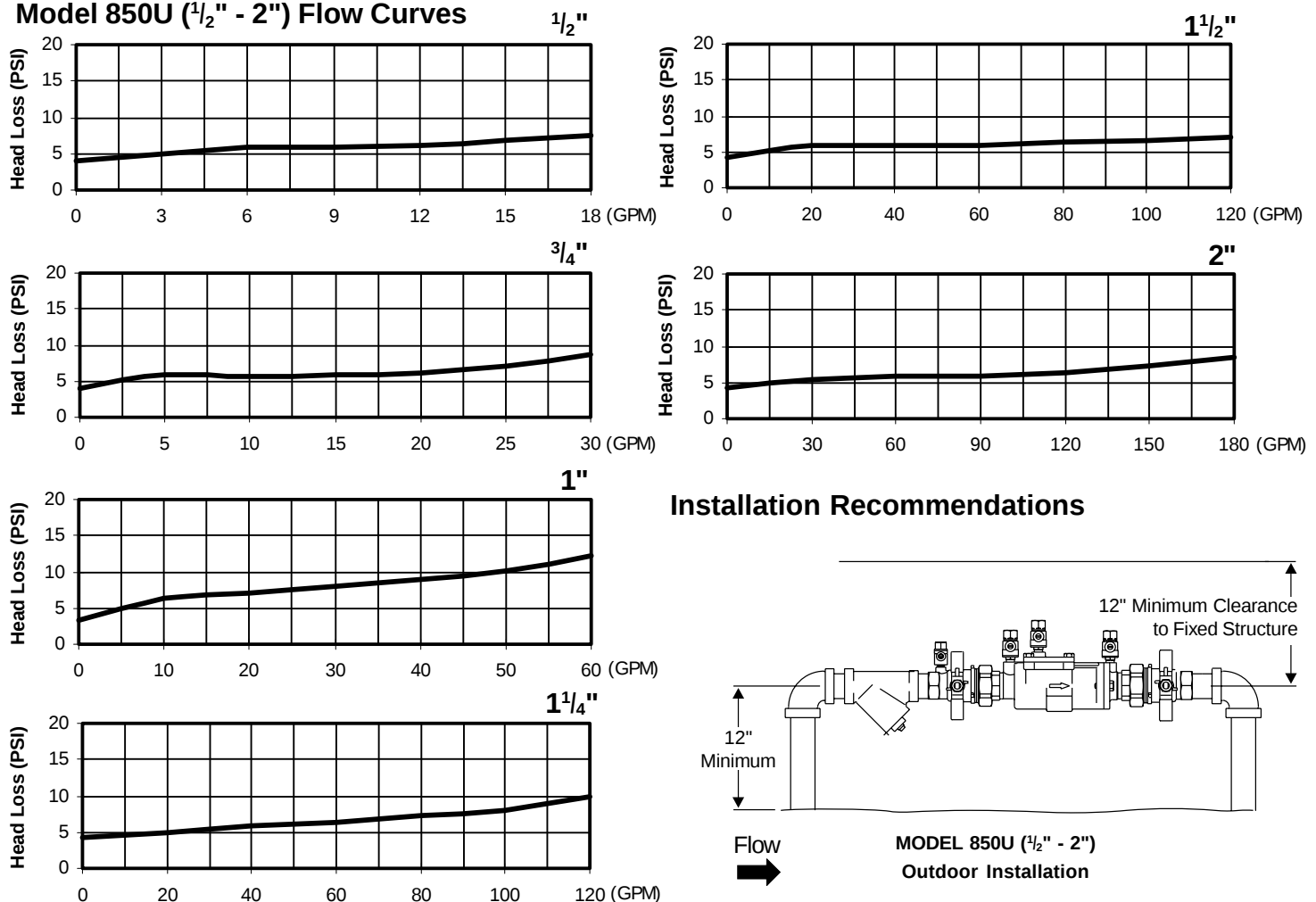
Application

Non-Health Hazard

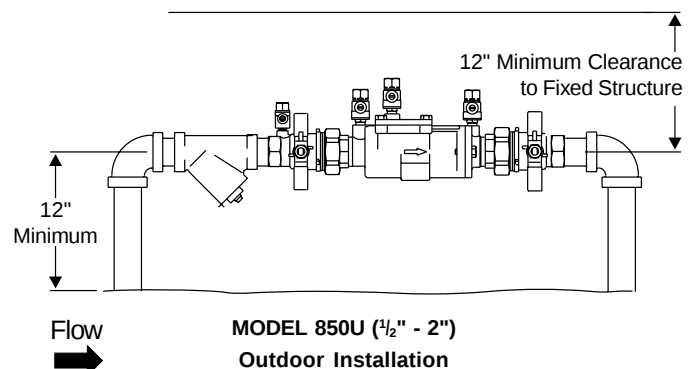
Options

- ☐ Wye - Strainer

Model 850U (1/2" - 2") Flow Curves

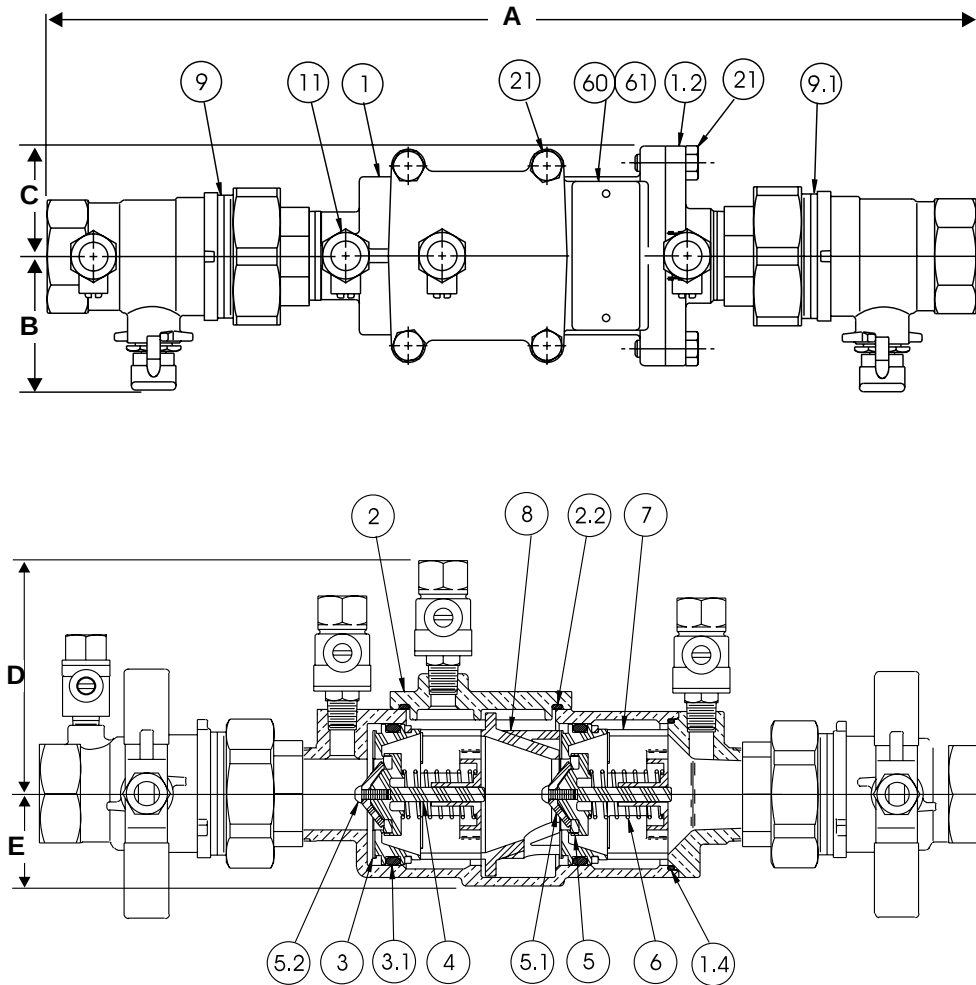


Installation Recommendations



MODEL 850U (1/2" - 2")
Outdoor Installation

Model 850U ($\frac{1}{2}$ " - 2")



ITEM	DESCRIPTION	MATERIALS
1	Body	Bronze
1.2	Tailpiece	Bronze
1.4	O-Ring	Silicone
2	Cover	Bronze
2.2	O-Ring	Silicone
3	Seat	Noryl
3.1	O-Ring	Silicone
4	Poppet	Noryl
5	Seat Disc	Silicone
5.1	Disc Retainer	Noryl
5.2	Rnd HD Screw	Stainless Steel
6	Spring	Stainless Steel
7	Guide	Noryl
8	Retainer Spacer	Noryl
9	Union End Ball Valve (w/tap)	Brozne
9.1	Union End Ball Valve	Bronze
11	Test Cock	Bronze
21	Hex HD Capscrew	Stainless Steel
60	Identification Plate	Brass
61	Drive Screw Stick	Stainless Steel

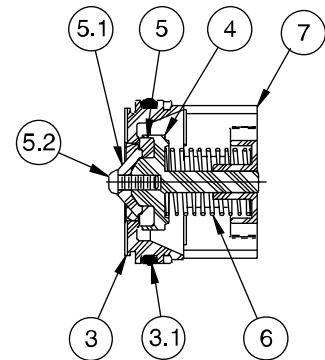
Dimensions and Weights

	U.S. - Inches					NET WT. (Lbs.)
SIZE	A	B	C	D	E	
$\frac{1}{2}$ "	11 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$	4.2
$\frac{3}{4}$ "	12 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$	5.1
1"	14 $\frac{5}{8}$	1 $\frac{7}{8}$	1 $\frac{5}{8}$	3 $\frac{3}{8}$	1 $\frac{1}{2}$	7.7
1 $\frac{1}{4}$ "	18 $\frac{1}{4}$	3	2 $\frac{1}{2}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	14.9
1 $\frac{1}{2}$ "	18 $\frac{7}{8}$	3	2 $\frac{1}{2}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	18.0
2"	20 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	24.1

	Metric - MM					NET WT. (Kgs.)
SIZE	A	B	C	D	E	
12	298.5	38.1	38.1	79.4	31.8	1.9
20	317.5	38.1	38.1	79.4	31.8	2.3
25	371.5	47.6	41.3	85.7	38.1	3.5
30	463.6	76.2	63.5	108.0	57.2	6.8
40	479.4	76.2	63.5	108.0	57.2	8.2
50	520.7	88.9	63.5	108.0	57.2	10.9

Note: Dimensions are nominal. Allowances must be made for normal manufacturing tolerances.

Model 850U ($\frac{1}{2}$ " - 2") Check Assembly



FEBCO Backflow Prevention

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