

SPECIFICATION SHEET



Series 850U

Double Check Valve Assemblies with Union End Ball Valves

Size: 1/2" - 2" (15mm - 50mm)

The FEBCO Series 850U Double Check Valve Assemblies are designed for non-health hazard applications.
End Connections – NPT ANSI/ASME B1.20.1.

Pressure – Temperature

Maximum Working Pressure: 175psi (12.1 bar)
Hydrostatic Test Press: 350psi (24.1 bar)
Temperature Range: 32°F to 140°F (0°C to 60°C)

Materials

Valve Body: Bronze
Elastomers: Silicone
Springs: Stainless Steel

Models

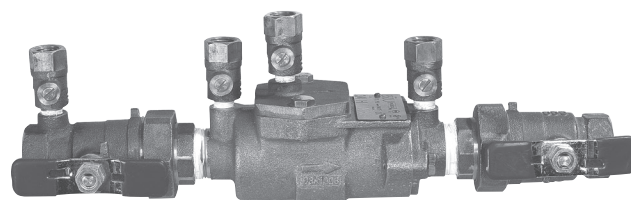
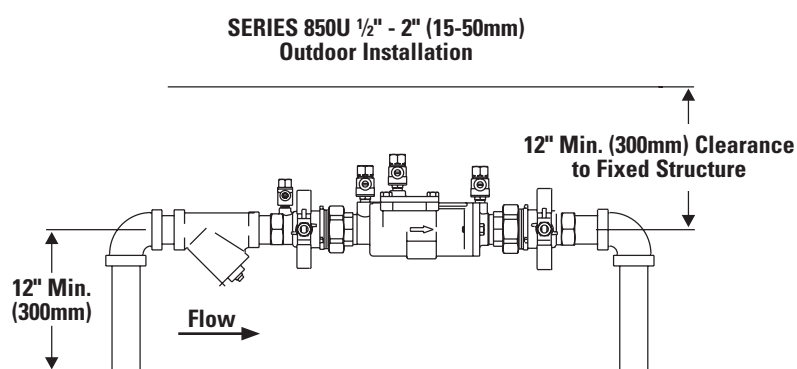
- Wye - Strainer

Approvals – Standards

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

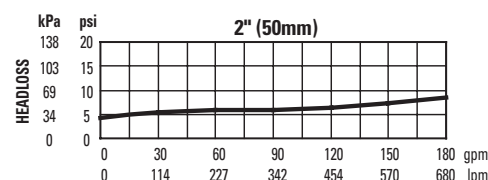
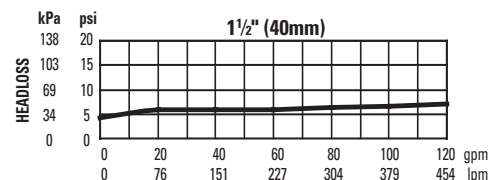
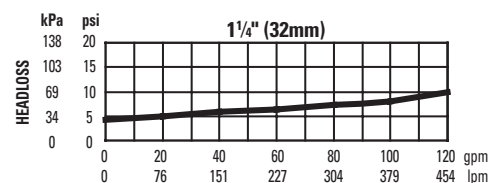
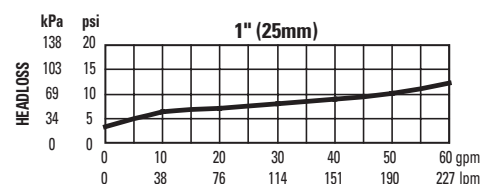
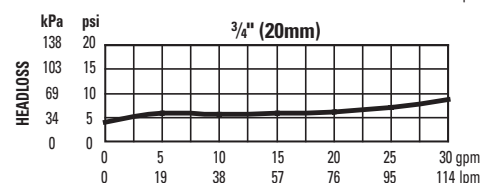
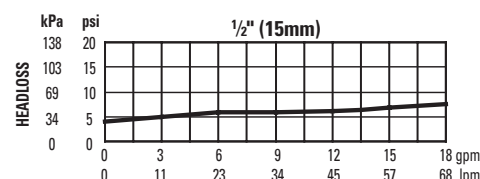


Typical Installation



Series 850U

Capacity



Job Name _____

Contractor _____

Job Location _____

Approval _____

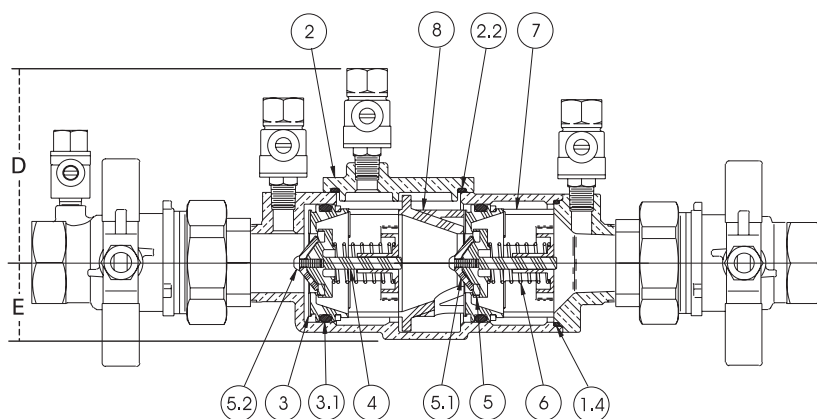
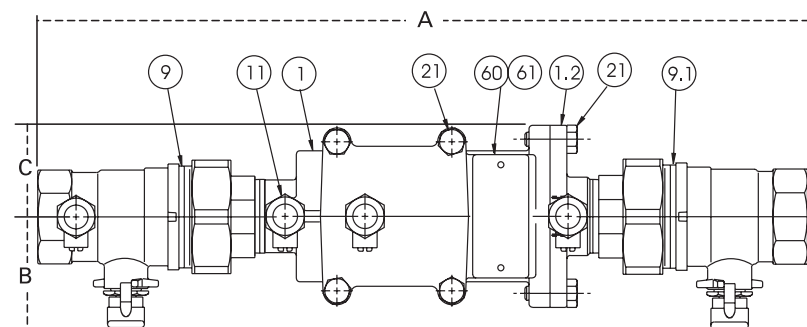
Engineer _____

Contractor's P.O. No. _____

Approval _____

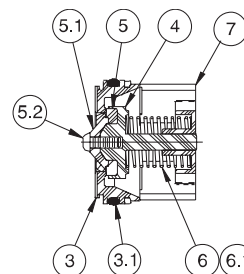
Representative _____

FEBCO product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact FEBCO. FEBCO reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on FEBCO products previously or subsequently sold.



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	Bronze
9.1	Ball Valve (w/tap)	
9.1	Union End	Bronze
9.1	Ball Valve	
11	Test Cock	Bronze
21	Hex HD Capscrew	Stainless Steel
60	Identification Plate	Brass
61	Drive Screw Stick	Stainless Steel

Check Assembly



Dimensions – Weights

Size: ½" - 2" (15 - 50mm)

SIZE (DN)		DIMENSIONS										WEIGHT	
		A		B		C		D		E			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
½	15	11	299	1½	38	1½	38	3⅞	79	1¼	32	4.2	1.9
¾	20	12½	318	1½	38	1½	38	3⅞	79	1¼	32	5.1	2.3
1	25	14⅝	372	1⅞	48	1⅝	41	3⅝	86	1½	38	7.7	3.5
1¼	32	18¼	464	3	76	2½	64	4¼	108	2¼	57	14.9	6.8
1½	40	18⅞	479	3	76	2½	64	4¼	108	2¼	57	18.0	8.2
2	50	20½	521	3½	89	2½	64	4¼	108	2¼	57	24.1	10.9

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



A Watts Water Technologies Company

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**ISO 9001-2000
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