

SPECIFICATION SHEET



LEAD FREE*

Series LF850

Lead Free* Double Check Valve Assemblies

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

The FEBCO Series LF850 Double Check Valve Assemblies are designed for non-health hazard applications. The LF850S features Lead Free* construction to comply with Lead Free* installation requirements. End Connections – NPT ANSI / ASME B1.20.1. The Lead Free* Double Check Valve Assemblies shall comply with state codes and standards, where applicable, requiring reduced lead content.

Pressure – Temperature

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

Materials

Valve Body: Lead Free* Bronze
Elastomers: Silicone
Springs: Stainless Steel

Models

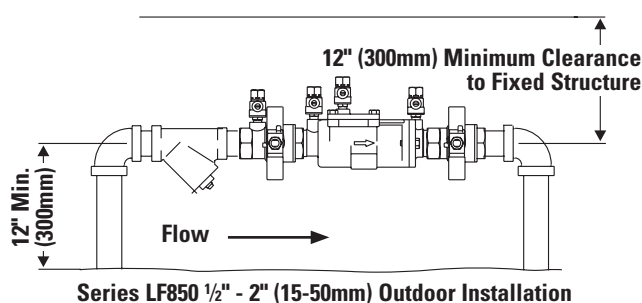
- LF850 - Standard Assembly with Ball Valves
- LF850U - Standard Assembly with Union Ball Valves

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

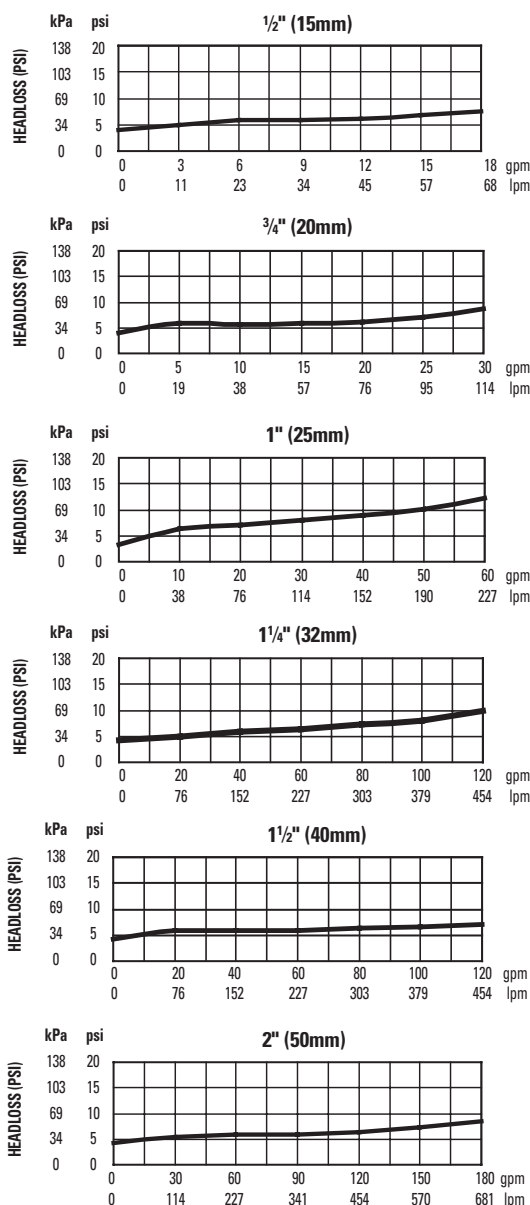


* The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.



Series LF850

Capacity



Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

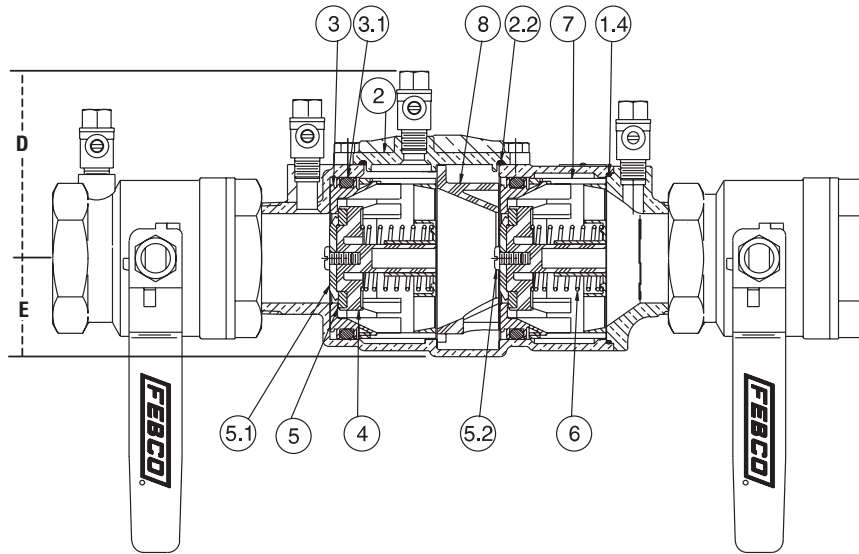
Approval _____

Contractor's P.O. No. _____

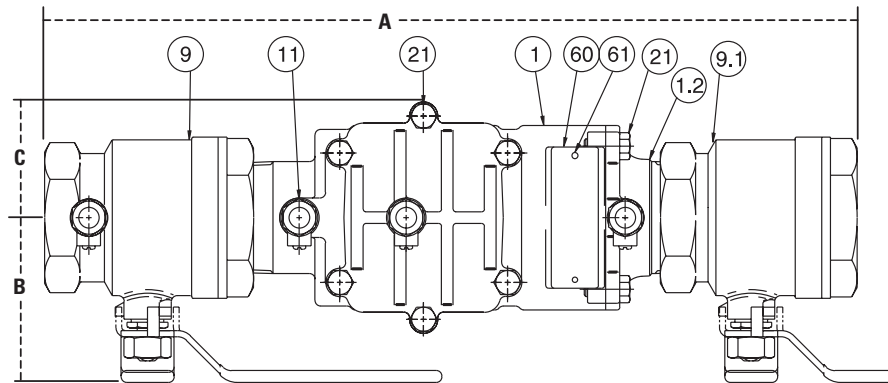
Representative _____

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.

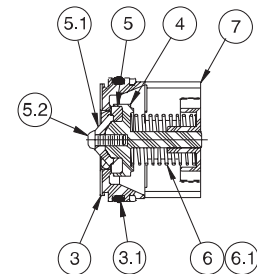
Series LF850 / Size: ½" - 2" (15mm - 50mm)



ITEM	DESCRIPTION	MATERIALS
1	Body	Lead Free* Bronze
1.2	Tailpiece	Lead Free* Bronze
1.4	O-Ring	Silicone
2	Cover	Lead Free* 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	Ball Valve (w/tap)	Lead Free* Bronze
9.1	Ball Valve	Lead Free* Bronze
11	Test Cock	Lead Free* Bronze
21	Hex HD Capscrew	Stainless Steel
60	Identification Plate	Brass
61	Drive Screw Stick	Stainless Steel



Check Assembly



Dimensions and 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	10	254	1½	38	1½	38	3⅞	79	1¼	32	4.2	1.9
¾	20	10¾	273	1½	38	1½	38	3⅞	79	1¼	32	4.4	2.0
1	25	12½	318	1⅞	48	1⅞	41	3⅞	86	1½	38	6.8	3.1
1¼	32	15⅞	403	3	76	2½	64	4¼	108	2¼	57	15.8	7.2
1½	40	16⅞	416	3	76	2½	64	4¼	108	2¼	57	16.2	7.4
2	50	17⅞	450	3½	89	2½	64	4¼	108	2¼	57	21.1	9.6

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

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A Watts Water Technologies Company

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