



LEAD FREE*

Series LF860

Lead Free* Reduced Pressure Zone Assemblies

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

The FEBCO Series LF860 Reduced Pressure Zone Assemblies are designed for use in health-hazard applications. The LF860S features Lead Free* construction to comply with low lead installation requirements. End Connections – NPT ANSI / ASME B1.20.1 The Lead Free* Reduced Pressure Zone 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

- LF860 - Standard Assembly with Ball Valves
- LF860U - Standard Assembly with Union Ball Valves

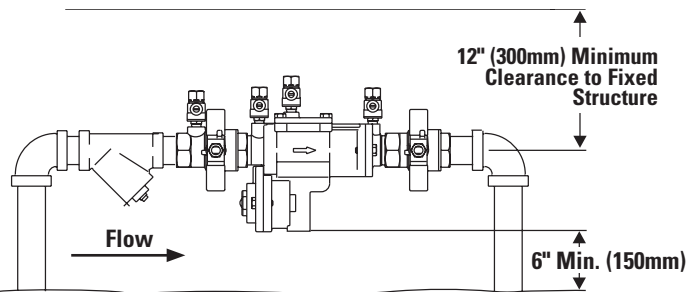
Approvals – Standards

- ANSI/AWWA Conformance (C511)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

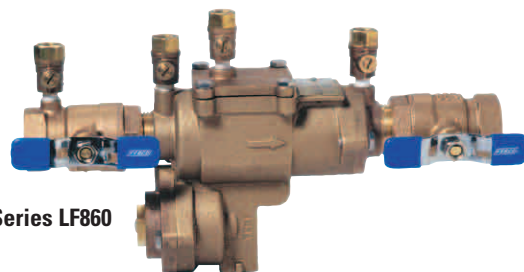


Typical Installation

Series LF860 1/2" - 2" (15 - 50mm) Outdoor Installation

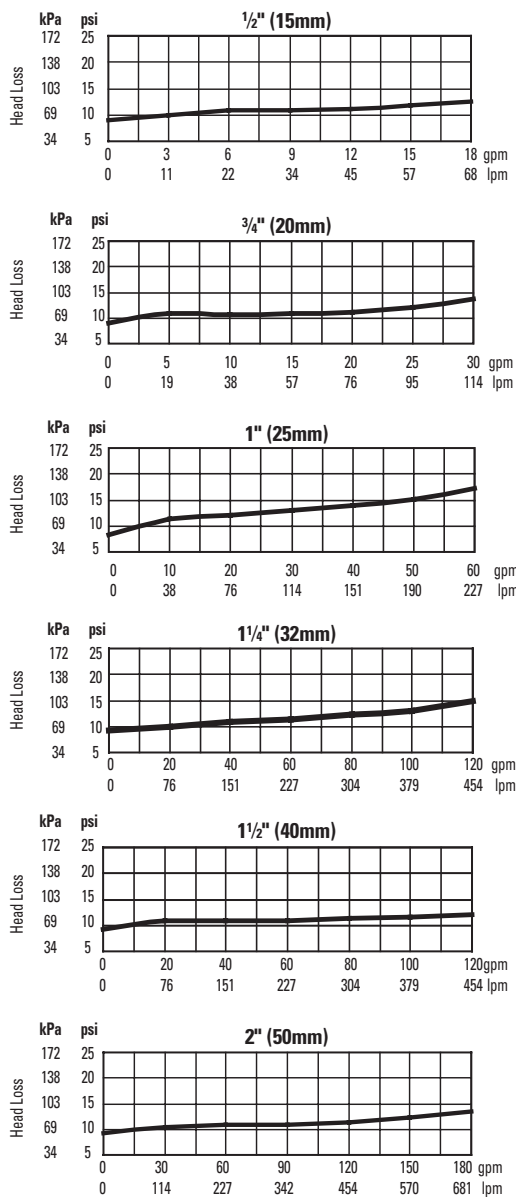


IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS



Series LF860

Capacity

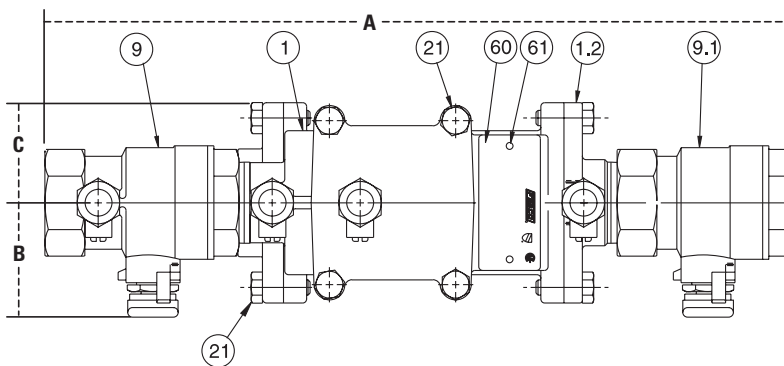
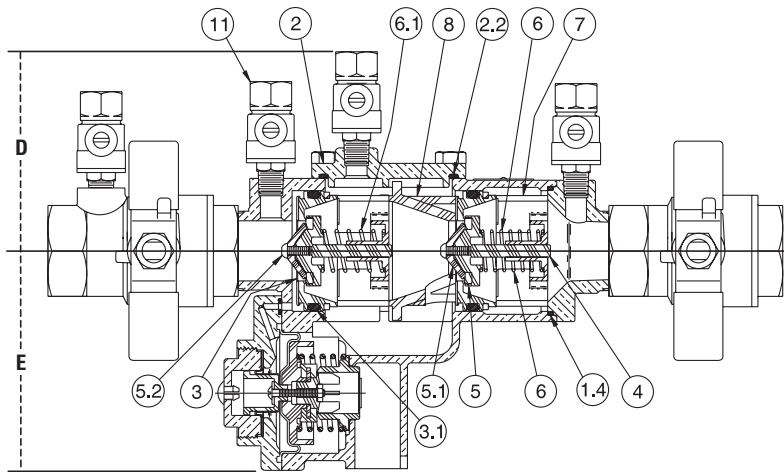


Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

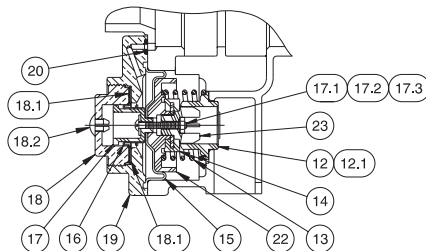
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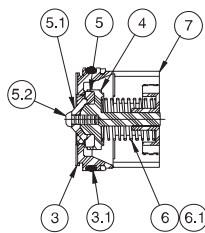


ITEM	DESCRIPTION	MATERIALS
1	Body	Lead Free* Bronze
1.2	Tailpiece	Bronze
1.4	O-Ring	Silicone
2	Cover	Bronze
2.2	O-Ring	Silicone
3	Seat	Noryl®
3.1	O-Ring	Silicone
4	Poppet	Noryl®
5	Seat Disc	Silicone Rubber
5.1	Disc Retainer	Noryl®
5.2	Rnd HD Screw	Phillips, 18-8 SS
6	Spring	SS
6.1	Spring	SS
7	Guide	Noryl®
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
12	Seat Ring-RV	Noryl®
12.1	Gasket Ring-RV	Silicone Rubber
13	Spring-RV	SS
14	Seat Disc-RV	Silicone Rubber/SS
15	Diaphragm-RV	Rubber/Fabric
16	Outer Diaphragm-RV	Rubber/Fabric
17	Small Piston-RV	Noryl®
17.1	Rnd HD Screw	Phillips, 18-8 SS
17.2	Washer	18-8 SS
17.3	Hex Nut	18-8 SS
18	Cylinder-RV	Lead Free* Brass
18.1	Slip Ring-Cylinder	Acetal
18.2	Slide (Plug)	Nylon
19	Cover-RV	Lead Free* Bronze
20	O-Ring	Silicone
21	Hex HD Capscrew	18-8 SS
22	Large Piston-RV	Noryl®
23	Guide-RV	Noryl®
60	Identification Plate	Brass
61	Drive Screw Stick	SS

Relief Valve Assembly



Check Assembly



Note: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.

Dimensions – Weights

Size: 1/2" - 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.
1/2	15	10	254	1 1/2	38	1 1/2	38	3 1/8	79	3 1/2	89	5.6	2.5
3/4	20	10 3/4	273	1 1/2	38	1 1/2	38	3 1/8	79	3 1/2	89	5.8	2.6
1	25	12 1/2	318	1 7/8	48	1 7/8	41	3 3/8	86	3 3/8	92	9.2	4.2
1 1/4	32	15 7/8	403	3	76	2 1/2	64	4 1/4	108	5 5/8	143	20.2	9.2
1 1/2	40	16 3/8	416	3	76	2 1/2	64	4 1/4	108	5 5/8	143	20.6	9.4
2	50	17 5/8	450	3 1/2	89	2 1/2	64	4 1/4	108	5 5/8	143	24.8	11.3

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

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

Noryl® is a registered trademark of SABIC Innovative Plastics™.



A Watts Water Technologies Company



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