# For Health Hazard Applications

Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

# **LEAD FREE\***

# **Series LF860**

# Reduced Pressure Zone Assemblies

Size: 1/2" - 2"

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 Lead Free\* 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\* Cast Copper Silicon Alloy

Elastomers: Silicone
Springs: Stainless Steel

#### Models

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

## Approvals - Standards

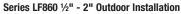
- ANSI/AWWA Conformance (C511)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

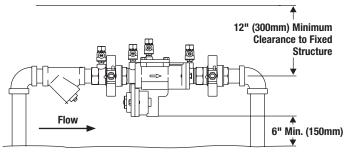






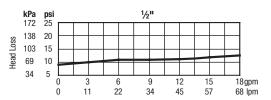
# Typical Installation

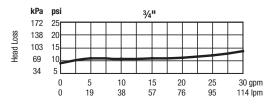


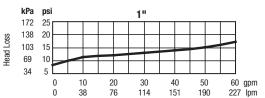


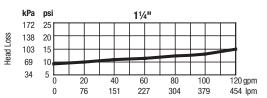


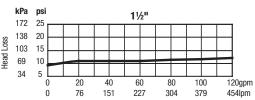
# Capacity

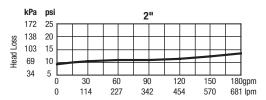






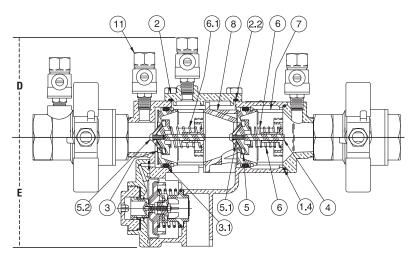


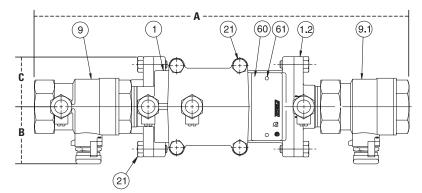




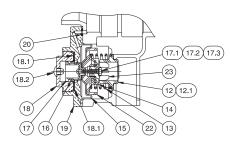


## Series LF860 / Size: 1/2" - 2"

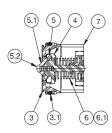




### Relief Valve Assembly







## **Dimensions - Weights**

Size: 1/2" - 2"

SIZE	DIMENSIONS								WEIGHT			
	1	Ą	E	3	(	С	[	)	E	E		
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
1/2	10	254	11/2	38	1½	38	31//8	79	31/2	89	5.6	2.5
3/4	10¾	273	11/2	38	1½	38	31//8	79	3½	89	5.8	2.6
1	12½	318	17/8	48	1%	41	3%	86	35/8	92	9.2	4.2
11/4	157/8	403	3	76	2½	64	41/4	108	5%	143	20.2	9.2
1½	16%	416	3	76	2½	64	41/4	108	5%	143	20.6	9.4
2	17%	450	31/2	89	2½	64	41/4	108	5%	143	24.8	11.3

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



# A WATTS Brand

ITEM	DESCRIPTION	MATERIALS
1	Body	Lead Free* Cast Copper
1.2	Tailpiece	Silicon Alloy Lead Free* Cast Copper
1.4	O Dian	Silicon Alloy
1.4 2	O-Ring Cover	Silicone Lead Free* Cast Copper Silicon Alloy
2.2	O-Ring	Silicone
3	Seat	Noryl®
3.1	O-Ring	Silicone
4	Poppet	Noryl <sup>®</sup>
5	Seat Disc	Silicone Rubber
5.1	Disc Retainer	Noryl <sup>®</sup>
5.2	Rnd HD Screw	Phillips, 18-8 SS
6	Spring	SS
6.1	Spring	SS
7	Guide	Noryl <sup>®</sup>
8	Retainer Spacer	Noryl <sup>®</sup>
9	Ball Valve (w/tap)	Lead Free* Cast Copper Silicon Alloy
9.1	Ball Valve	Lead Free* Cast Copper Silicon Alloy
11	Test Cock	Lead Free* Cast Copper Silicon Alloy
12	Seat Ring-RV	Noryl <sup>®</sup>
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* Cast Copper Silicon Alloy
18.1	Slip Ring-Cylinder	Acetal
18.2	Slide (Plug)	Nylon
19	Cover-RV	Lead Free* Cast Copper Silicon Alloy
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

\* The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Noryl<sup>®</sup> is a registered trademark of SABIC Innovative Plastics™.

#### NOTICE

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.

#### NOTICE

Inquire with governing authorities for local installation requirements.

### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.