Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series 860

Reduced Pressure Zone Assemblies

Size: ½" - 2"

The FEBCO Series 860 Reduced Pressure Zone Assemblies are for use in health-hazard applications. The series 860 are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing. End Connections – NPT ANSI / ASME B1.20.1

Pressure – Temperature

Max. 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

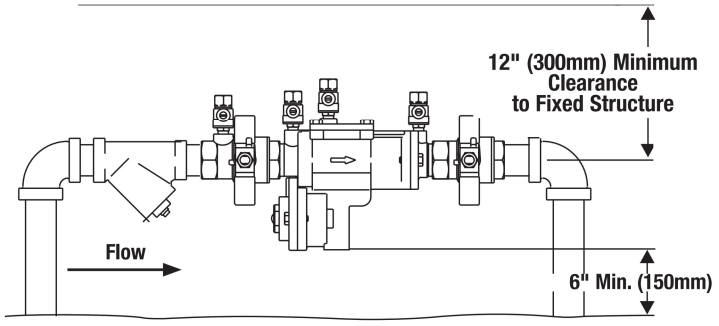
Approvals – Standards

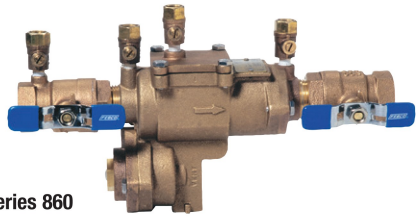
- ANSI/AWWA Conformance (C511)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

ASSE 1013 CSA B64.4

Typical Installation

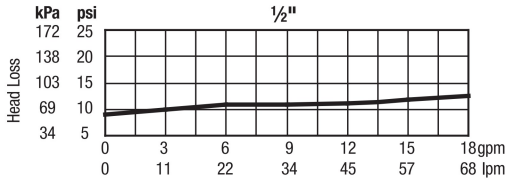
Series 860 ½" - 2"
Outdoor Installation

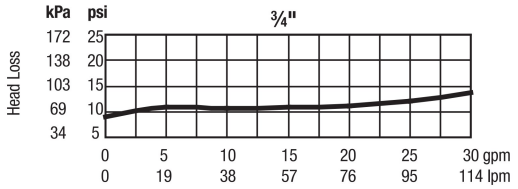


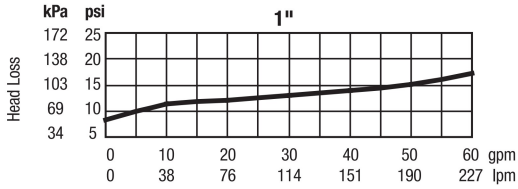


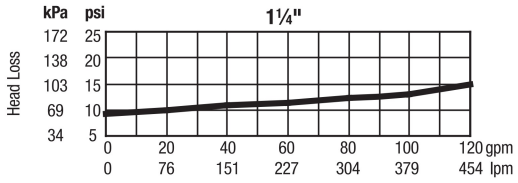
Series 860

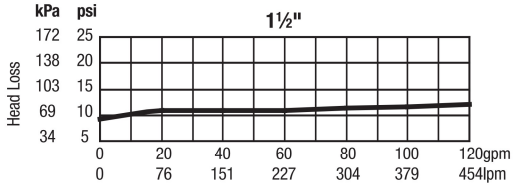
Capacity

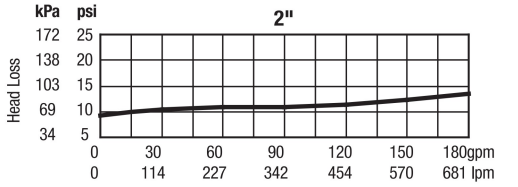












FEBCO product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact FEBCO Technical Service. FEBCO reserves the right to change or modify product design, construction, specifications, or materials without prior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

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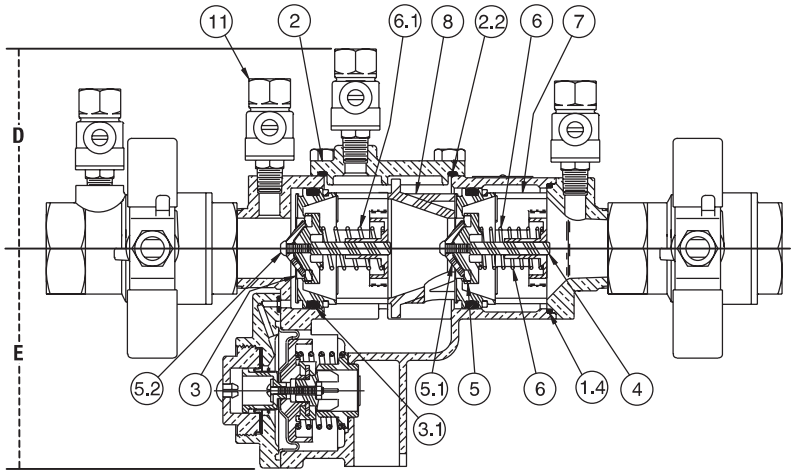
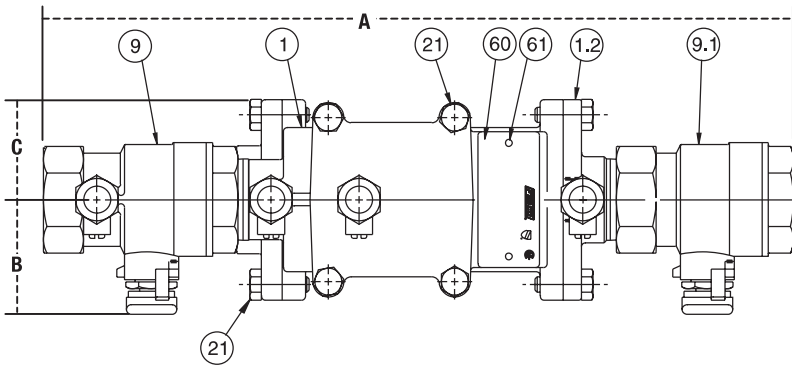
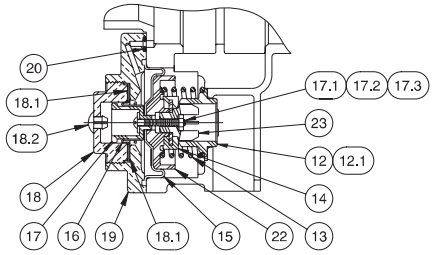
Series 860 / Size: ½" - 2"



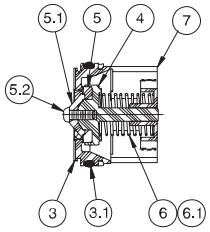


ITEM	DESCRIPTION	MATERIALS
1	Body	Bronze
1.2	Tailpiece	Bronze
1.4	O-Ring	Silicone
2	Cover	Bronze
2.2	O-Ring	Silicone
3	Seat	Noryl®
3.1	O-Ring	Silicone
4	Poppet	Noryl®
5	Seat Disc	Silicone Rubber
5.1	Disc Retainer	Noryl®
5.2	Rnd HD Screw	Phillips, 18-8 SS
6	Spring	SS
6.1	Spring	SS
7	Guide	Noryl®
8	Retainer Spacer	Noryl®
9	Ball Valve	Bronze
9.1	Ball Valve	Bronze
11	Test Cock	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	Brass
18.1	Slip Ring-Cylinder	Acetal
18.2	Slide (Plug)	Nylon
19	Cover-RV	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



Dimensions – Weights

Size: ½" - 2"

SIZE	DIMENSIONS										WEIGHT	
	A		B		C		D		E			
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
½	10	254	1½	38	1½	38	3⅛	79	3½	89	5.6	2.5
¾	10¾	273	1½	38	1½	38	3⅛	79	3½	89	5.8	2.6
1	12½	318	1⅞	48	1⅝	41	3⅜	86	3⅝	92	9.2	4.2
1¼	15⅞	403	3	76	2½	64	4¼	108	5⅝	143	20.2	9.2
1½	16⅜	416	3	76	2½	64	4¼	108	5⅝	143	20.6	9.4
2	17⅝	450	3½	89	2½	64	4¼	108	5⅝	143	24.8	11.3

⚠ WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

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

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.

NOTICE

Inquire with governing authorities for local installation requirements.

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