

36ELF SERIES

Lead Free Pressure Reducing Valve

APOLLOXPRESS™

DESCRIPTION:

The **Lead Free*** APOLLOXPRESS™ Model PRE-PRLF (36ELF Series) Pressure Reducing Valves with Press connections are easily installed to protect residential and commercial potable water distribution systems by automatically reducing excessive supply pressures. The dezincification resistant bronze body, stainless steel adjusting screw and dielectric polymer cage provide maximum corrosion resistance. Designed for easy in-line servicing with simple cartridge removal.

FEATURES:

- Fast, Reliable, Economical Press Installation
- Ridgid® XL Press Tool Compatible
- Leak Before Press® Technology
- Balanced Piston Design
- Sealed Cage for vault installations
- Built-in Thermal Expansion By-Pass
- Large Area Integral Stainless Steel Strainer
- Modular Seat Disc and Strainer Cartridge
- Control Pressure Ranges: 15-75 psi and 75-150 psi
- Factory Tested and Preset at 50 or 100 psi
- High flow / high efficiency design
- **Made in USA**, ARRA Compliant

APPROVALS

- NSF/ANSI 61-8 2010, Annex F & G Lead Free
- ASSE 1003-2009; "Water Pressure Reducing Valves"
- CSA B356 Water pressure reducing valves for domestic water supply systems

PERFORMANCE RATING:

- Maximum Press Fitting Pressure: 250 psi (17.2 bar)
- Maximum Temperature: 180°F (82°C)

MATERIAL SPECIFICATIONS:

Part Name	Material
Body	UNS 89836 Lead Free Bronze
Connector Housing	UNS 27450 Lead Free Brass
Connector O-Ring	NSF grade EPDM
Screen	Stainless Steel
Spring Housing	Glass Filled Celcon®
Diaphragm	NSF grade EPDM
Seat disc	FDA grade EPDM
Adjusting Screw & Nut	Stainless Steel
Cage Seal	Nitrile
Stem	UNS 27450 Lead Free Brass
Spring	Music Wire ASTM A228
Cartridge O-rings	NSF grade EPDM

* **LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB1953, VT Act 193, MD HB372, LA HB471 and Federal Public Law 111-380. ANSI 3rd party approved and listed.



DIMENSIONS (IN)

Model Number	Order Number	Size	Length	Height from CL	Wt (lbs)
PRE12PRLF	36ELF10301PR	1/2"	5.46"	4.75"	1.5
PRE34PRLF	36ELF10401PR	3/4"	5.79"	4.75"	1.7
PRE1PRLF	36ELF10501PR	1"	5.91"	4.75"	2.3

MODEL NUMBERING SYSTEM

PRE	Size	Pressure Range	PRLF
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Example: PRE-12H-PRLF is model number for a 1/2" High Pressure set at 100 psi

SIZE

- 12 - 1/2"
- 34 - 3/4"
- 1 - 1"

PRESSURE RANGE

- BLANK - 15 - 75 PSIG (-01 suffix)
- H - 75 - 150 PSIG (-03 suffix)

FLOW CAPACITY

Pipe Size	Fall-Off (PSI)	Pressure Differential (PSI)		
		25	50	75
1/2"	10	10	13	16
	15	13	18	22
	20	17	23	29
	30	22	29	36
3/4"	10	16	21	26
	15	20	27	32
	20	24	32	40
	30	29	38	48
1"	10	25	33	41
	15	30	42	52
	20	34	45	56
	30	35	47	59

Pressure differential is the difference between the supply pressure and adjusted outlet pressure measured in the static (closed) condition. Fall-off is the decrease in downstream regulated pressure as the flow increases.



For additional information, submital sheets and manuals, visit www.elkhartproducts.com



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ELKHART PRODUCTS CORPORATION Customer Service (574) 264-3181