



Lead Free*

Model PRE-LF

PRESSURE REDUCING VALVE

(36ELF Series)

Job Name:

Contractor:

Job Location:

P.O. Number:

Engineer:

Representative:

Tag:

Wholesale Distributor:

DESCRIPTION

The Apollo® Lead Free* Water Pressure Reducing Valve Model PRE (36ELF Series) is designed to protect residential and commercial 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

- NSF 61 Annex G & NSF 372 approved
- 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
- High flow / high efficiency design
- NPT, Solder, PEX, CPVC connections
- 100% Factory tested and preset at 50 psi
- **Manufactured in USA – ARRA Compliant**

MATERIAL SPECIFICATIONS

Part Name	Material
Body	C89836 Lead Free* Bronze
Tailpiece	C27451 Lead Free* Brass
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	C27451 Lead Free* Brass
Spring	Music Wire ASTM A228, Plated
O-Rings	NSF grade EPDM

PERFORMANCE RATING

Maximum Supply Pressure: 400 psig

Working Temperature Range 33°F – 180°F

APPROVALS: NSF 61-G; NSF 372, City of Los Angeles



1003



MODEL PRE

UNION

- ☐ **BLANK** – Single Union
- ☐ **D** – Double Union
- ☐ **T** – No Union (Threaded Only)

PRESSURE RANGE

- ☐ **BLANK** – Standard 15 - 75 PSIG
- ☐ **H** – High Pressure 75 – 150 PSIG

SIZE

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

END CONNECTIONS

- ☐ **Blank** – FNPT x FNPT
- ☐ **S** – Solder
- ☐ **C** – CPVC
- ☐ **X** – PEX

*** 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.

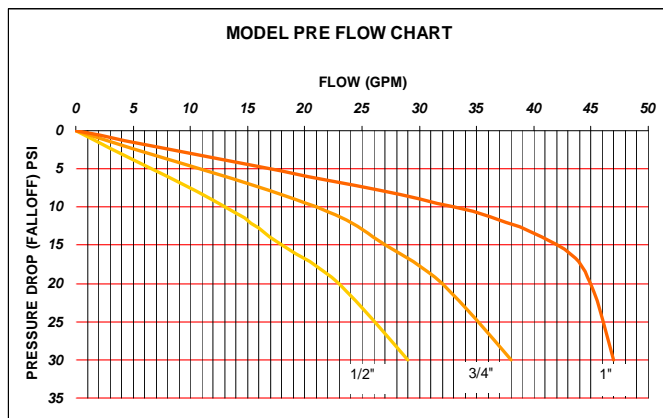
Conbraco Industries, Inc. 701 Matthews Mint Hill Rd. Matthews NC 28106 USA; www.apollovalves.com; 704-841-6000

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Lead Free* Model PRE-LF PRESSURE REDUCING VALVE (36ELF SERIES)

FLOW AND SIZING INFORMATION



Based on 100 psi inlet pressure and 50 psi outlet static condition.

WATER CAPACITY (GPM)

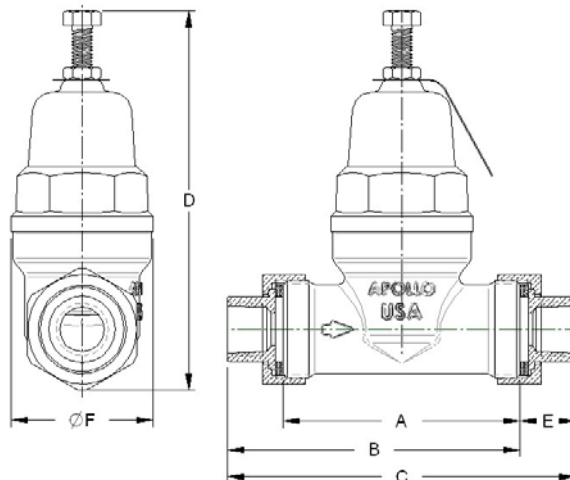
PIPE SIZE	FALL-OFF	PRESSURE DIFFERENTIAL (PSI)		
	(PSI)	25	50	75
1/2"	10	10	13	16
	15	13	18	22
	20	17	23	29
	30	22	29	36
3/4"	10	16	21	26
	15	20	27	32
	20	24	32	40
	30	29	38	48
1"	10	25	33	41
	15	30	42	52
	20	34	45	56
	30	35	47	59

Pressure differential is the difference between the supply pressure and adjusted outlet pressure measured in the static (closed) condition.

DIMENSIONAL INFORMATION

CONNECT TYPE	SIZE (in)	DIMENSIONS (IN.)						WT. (Union) (lbs. EA)
		A	B	C	D	E	F	
THREAD	1/2"	3-5/8	4-1/2	5-3/8	6	5/8	2-3/4	3.5
SOLDER	1/2"	3-5/8	4-1/2	5-1/2	6	1/2	2-3/4	3.4
PEX	1/2"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3.3
CPVC	1/2"	3-5/8	4-1/4	5	6	1/2	2-3/4	3.1
THREAD	3/4"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3.4
SOLDER	3/4"	3-5/8	4-1/2	5-1/2	6	3/4	2-3/4	3.3
PEX	3/4"	3-5/8	4-5/8	5-5/8	6	5/8	2-3/4	3.2
CPVC	3/4"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3.0
THREAD	1"	3-5/8	4-5/8	5-3/4	6	5/8	3-3/8	4.5
SOLDER	1"	3-5/8	4-5/8	5-3/4	6	7/8	3-3/8	4.4
PEX	1"	3-5/8	4-3/4	6	6	3/4	3-3/8	4.3
CPVC	1"	3-5/8	4-3/4	6	6	15/16	3-3/8	4.0

Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances.



ORDER NUMBER MATRIX

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36ELF	1	X	X	X	X
	STYLE	UNION	SIZE	PRESSURE	CONNECTION
36ELF - Lead Free		0- NO UNION NPT 1- SINGLE UNION 2- DOUBLE UNION	3 - 1/2" 4 - 3/4" 5 - 1"	01 = 15-75 PSI RANGE 03 = 75-150 PSI	T- FNPT THREAD S- SOLDER C- CPVC X- PEX