

# 36ELF-PR Series

Water Pressure Reducing Valve

LEAD FREE

## SUBMITTAL SHEET

"Apollo" Valves



"Apollo" PRESS



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

### DESCRIPTION

The Lead Free\* APOLLOPRESS® 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 60 or 100 psi
- High Flow / High Efficiency Design
- Made in USA, ARRA Compliant

### APPROVALS

- NSF/ANSI 372 - Lead Free
- NSF/ANSI 61 - Water Quality
- ASSE 1003-2009 - Water Pressure Reducing Valves
- CSA B356 - Water Pressure Reducing Valves For Domestic Water Supply Systems

### OPTIONS

- (36E) - with Standard Materials for Non-Potable Applications

*\*APOLLOPRESS® connectors are designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition. Press connectors are not suitable for steam or flammable gas service.*

### STANDARD MATERIALS LIST

CONNECTOR HOUSING	Lead Free* Brass, UNS 27450
CONNECTOR O-RING	FDA Grade EPDM
BODY	Lead Free* Bronze, UNS 89836
UNION NUT	BRASS, ASTM B16
TAILPIECE	Lead Free* Brass, UNS C27451
SCREEN	Stainless Steel
CAP	Noryl™
DIAPHRAGM	NSF Grade EPDM
SEAT DISC	NSF Grade EPDM
ADJUSTING SCREW/NUT	Stainless Steel
SPRING	Stainless Steel, ASTM A228
O-RINGS	NSF Grade EPDM

### PERFORMANCE RATING

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

### DIMENSIONS

Series Number	Size (in.)	Length	Height from CL	Wt. (lbs.)
36ELF-103-01PR	1/2"	5.46	4.75	1.5
36ELF-123-01PR	1/2"	5.63	4.75	2.4
36ELF-104-01PR	3/4"	5.79	4.75	1.7
36ELF-124-01PR	3/4"	5.90	4.75	2.4
36ELF-105-01PR	1"	5.91	4.75	2.3
36ELF-125-01PR	1"	6.00	4.75	2.7

### MODEL NUMBER

36ELF	1	X	X	X	PR
CONNECTION		SIZE		PRESSURE	
0 = Press (No Union)		3 = 1/2"		01 = 15 - 75 PSIG	
2 = Double Union Press		4 = 3/4"		03 = 75 - 150 PSIG	
		5 = 1"			

### 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

*Note: Flow curves are based on static conditions of 100psi inlet pressure and 50 psi outlet pressure. Pressure differential is the difference between the supply pressure and adjusted outlet pressure measured in the static (closed) condition. Pressure fall-off is the decrease in downstream regulated pressure as the flow increases.*

\*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law III-380. ANSI 3rd party approved and listed.

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www.apollovalves.com

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