

36ELF-PR Series

Water Pressure Reducing Valve

LEAD FREE



"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 Bypass
- 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**

PERFORMANCE RATING

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

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

DIMENSIONS

SERIES NUMBER	SIZE (IN.)	LENGTH	HEIGHT FROM CL	WT. (LB.)
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

PART NUMBER MATRIX

36ELF 36E	1	X	X	X	X	X
SERIES	STYLE	UNION	SIZE	PRESSURE RANGE	CONNECTION	OPTION
36ELF		0 - NO UNION NPT	3 - 1/2"	01 - 15 - 75 PSIG RANGE	T - FNPT THREAD	B - BRONZE CAP
(LEAD FREE)		1 - SINGLE UNION	4 - 3/4"	03 - 75-150 PSIG RANGE	S - SOLDER	
36E		2 - DOUBLE UNION	5 - 1"		C - CPVC	
					X - PEX F1807	
					P - PUSH	
					PR - PRESS	
					X2 - PEX F1960	

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

*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.