

36ELF 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 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

options

- (36E-PR) Apollo Press®

approvals

- NSF/ANSI 61-G
- NSF/ANSI 372 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)

†Apollo Press® 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

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

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 100 psi 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.

dimensions

model number	LF part number	size (in.)	length	height from CL	wt. (lbs.)
PRE12PRLF	36ELF-103-01PR	1/2"	5.4"	4.75"	1.5
PRE34PRLF	36ELF-104-01PR	3/4"	5.7"	4.75"	1.7
PRE1PRLF	36ELF-105-01PR	1"	6"	4.75"	2.3

model number

pre	x	x	PRLF
size	pressure range		
12 = 1/2"	blank = 15 - 75 PSIG		
34 = 3/4"	H = 75 - 150 PSIG		
1 = 1"			

* 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.