

# 36E-PR Series

Water Pressure Reducing Valve



**"Apollo" PRESS**



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

## DESCRIPTION

The APOLLOPRESS® 36E Series Pressure Reducing Valve with Press Connections is easily installed 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

- 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**

## APPROVALS

- ASSE 1003-2009 - Water Pressure Reducing Valves
- CSA B356 - Water Pressure Reducing Valves For Domestic Water Supply Systems

## OPTIONS

- (36ELF) - Certified Lead Free

*"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

<b>CONNECTOR HOUSING</b>	Brass, ASTM B16
<b>CONNECTOR O-RING</b>	NSF Grade EPDM
<b>BODY</b>	Bronze, ASTM B584
<b>UNION NUT</b>	Brass, ASTM B16
<b>TAILPIECE</b>	Brass, ASTM B16
<b>SCREEN</b>	Stainless Steel
<b>CAP</b>	Noryl™
<b>DIAPHRAGM</b>	NSF Grade EPDM
<b>SEAT DISC</b>	NSF Grade EPDM
<b>ADJUSTING SCREW/NUT</b>	Stainless Steel
<b>SPRING</b>	Spring Steel, ASTM 228
<b>O-RINGS</b>	NSF Grade EPDM

## PERFORMANCE RATING

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

## DIMENSIONS

PART NUMBER	SIZE (IN.)	LENGTH (IN.)	HEIGHT FROM CL (IN.)	WT. (LB.)
36E-103-01PR	1/2"	5.46	4.75	1.5
36E-123-01PR	1/2"	5.63	4.75	2.4
36E-104-01PR	3/4"	5.79	4.75	1.7
36E-124-01PR	3/4"	5.90	4.75	2.4
36E-105-01PR	1"	5.91	4.75	2.3
36E-125-01PR	1"	6.00	4.75	2.7

## FLOW CAPACITY

PIPE SIZE	*FALLOFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
		25	50	75
		WATER CAPACITY (GPM)		
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

PIPE SIZE	*FALLOFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
		25	50	75
		WATER CAPACITY (GPM)		
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.*

## PART NUMBER MATRIX

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