

# 36E Series

Model PRE - Pressure Reducing Valve

## SUBMITTAL SHEET

"Apollo" Valves



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

### DESCRIPTION

The Apollo® Model PRE (36E Series) Pressure Reducing Valve is designed to conserve water and protect water distribution systems by automatically reducing elevated supply pressures. Ideal for industrial and irrigation applications. The dezincification resistant bronze body and dielectric polymer cage provide maximum corrosion resistance. Designed for easy in-line servicing with simple cartridge removal.

### FEATURES

- Balanced Piston Design
- SS Adjusting Screw & Nut
- 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
- High Flow / High Efficiency Design
- NPT & Solder Connections
- Factory Tested and Preset at 60 psi
- Single Union, Double Union and Less Union Configurations Available
- 100% Manufactured in USA - ARRA Compliant


### PERFORMANCE RATING

- Maximum Supply Pressure: 400 psig
- Working Temperature Range:  
33°F - 180°F

### APPROVALS

- ASSE 1003
- IAPMO/UPC
- CSA B356

### OPTIONS

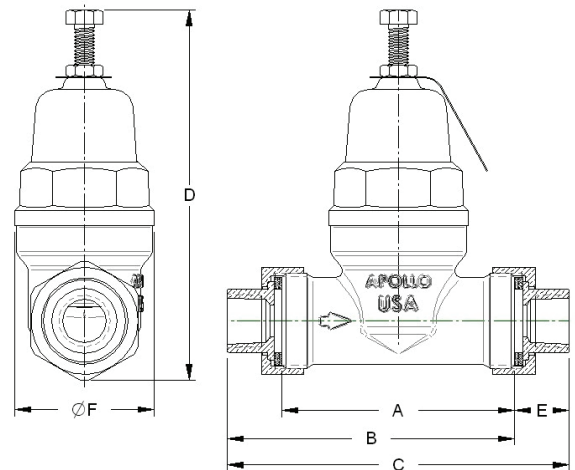
- (-B) - Bronze Cap 
- (-P) - Tapped w/ Plug
- (-G) - Tapped w/ Gauge
- (-03) - High Pressure 75-150 psi
- (36ELF) - Certified Lead Free

### STANDARD MATERIALS LIST

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

### DIMENSIONS

Connect Type	Size (in.)	Dimensions (in.)						Single Union Wt.	Double Union Wt.
		A	B	C	D	E	F		
THREAD	1/2"	3-5/8	4-1/2	5-3/8	6	5/8	2-3/4	2.4	2.75
SOLDER	1/2"	3-5/8	4-1/2	5-1/2	6	1/2	2-3/4	2.4	2.75
PEX	1/2"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	2.4	2.75
CPVC	1/2"	3-5/8	4-1/4	5	6	1/2	2-3/4	2.4	2.75
THREAD	3/4"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	2.4	2.75
SOLDER	3/4"	3-5/8	4-1/2	5-1/2	6	3/4	2-3/4	2.4	2.75
PEX	3/4"	3-5/8	4-5/8	5-5/8	6	5/8	2-3/4	2.4	2.75
CPVC	3/4"	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	2.4	2.75
THREAD	1"	3-5/8	4-5/8	5-3/4	6	5/8	3-3/8	2.4	2.86
SOLDER	1"	3-5/8	4-5/8	5-3/4	6	7/8	3-3/8	2.4	2.86
PEX	1"	3-5/8	4-3/4	6	6	3/4	3-3/8	2.4	2.86
CPVC	1"	3-5/8	4-3/4	6	6	15/16	3-3/8	2.4	2.86



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### FLOW CAPACITY

Pipe Size	Fall-Off (PSI)	Pressure Differential (PSI)		
		25	50	75
		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
1"	10	14	31	37
	15	22	37	42
	20	28	41	46
	30	36	43	50

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	CONNECTION	OPTION
36ELF	1	0 - No Union (NPT)	3 - 1/2"	01 - 15-75 psig	T - FNPT Thread	B - Bronze Cap
36E (non potable)		1 - Single Union	4 - 3/4"	03 - 75-150 psig	S - Solder	
		2 - Double Union	5 - 1"		C - CPVC	
					P - Push	
					X - PEX	
					PR - Press	