# 

36E Series —

Model PRE Pressure Reducing Valve



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	
Wholesale Distributor:	











## DESCRIPTION The Apollo® Model

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 By-Pass
- 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 designNPT, Solder, PEX, CPVC, Push & Press
- NPT, Solder, PEX, CPVC, Push & Press 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
- CSA B356
- · IAPMO/UPC

#### **OPTIONS**

• (B) - Bronze Cap NEW!

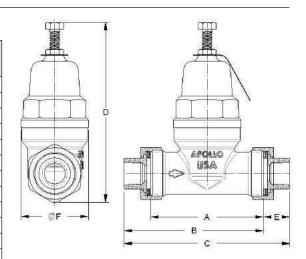
#### STANDARD MATERIALS LIST

Part Name	Material
Body	Bronze, ASTM B584
Union Nut	Brass, ASTM B16
Tailpiece	Brass, ASTM B16
Screen	Stainless Steel
Spring Housing	Glass Filled Celcon®
Diaphragm	NSF grade EPDM
Seat Disc	FDA grade EPDM
Adjusting Screw & Nut	Stainless Steel
Spring	Music Wire ASTM A228
Cage Seal	Nitrile
0-Rings	NSF grade EPDM

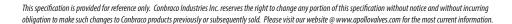
### **DIMENSIONS**

Connect	Size	Dimensions (in.)						Single	Double
Туре	(in.)	A	В	C	D	E	F	Union Wt.	Union Wt.
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

Not approved for potable water in the USA.



Apollo Valves, Manufactured by **Conbraco Industries, Inc.** 701 Matthews Mint-Hill Road, Matthews, NC 28105 USA www.**apollovalves**.com | (704) 841-6000







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#### **FLOW CAPACITY**

	L-11 044	Pressure Differential (PSI)				
Pipe Size	Fall-Off (PSI)	25	50	75		
	(151)	GPM				
	10	10	13	16		
1/2"	15	13	18	22		
	20	17	23	29		
	30	22	29	36		
	10	16	21	26		
2 ///	15	20	27	32		
3/4″	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		

**Pressure Differential** is the difference between the inlet supply pressure and the adjusted outlet pressure. **Pressure Falloff** is the reduction in downstream pressure from the static (set) pressure as the flow increases through the valve.

#### PART NUMBER MATRIX

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

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