



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

DESCRIPTION

Apollo® Model PRC (36C Series) Pressure Reducing Valves are designed to protect non-potable water distribution systems by automatically controlling excessive pressure changes. The valves integral thermoplastic cage provides maximum corrosion resistance. Designed for easy in-line servicing with bottom cleanout access to seat disc and strainer.

FEATURES

- Lead Free Option Available
- Balanced Piston Design
- Sealed Spring Cage Vault
- SS Adjusting Screw & Nut
- Built-in Thermal Expansion By-Pass
- Easy Access to Seat Disc and SS Strainer
- Factory Preset at 50 psi
- NPT, Solder, PEX, CPVC, Press Connections
- **100% Manufactured in USA**

PERFORMANCE RATING

- Maximum Supply Pressure: 400 psig
- Std. Temperature Range: 33°F - 180°F
- Maximum Set Pressure:
Standard: 75 psig
High Pressure: 125 psig

APPROVALS

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

Not intended for potable water

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

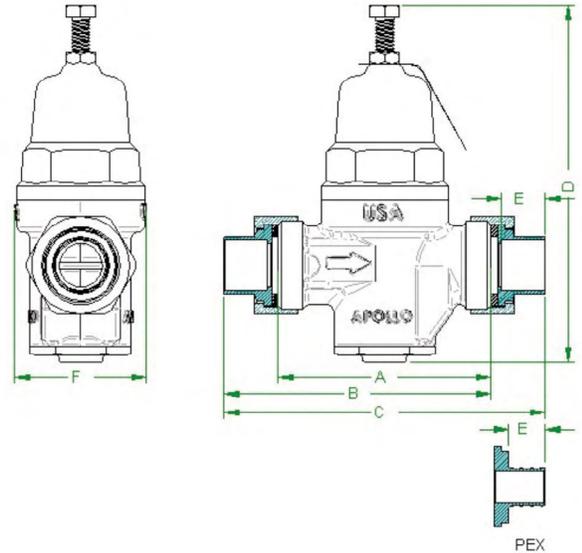
OPTIONS

- (36C-LF) Certified Lead Free

DIMENSIONS

SIZE (IN.)	CONNECT TYPE	DIMENSIONS (IN.)						WT. (UNION) LB. EACH
		A	B	C	D	E	F	
1/2"	THREAD	3.625	4.50	5.375	6.00	0.625	2.75	3.5
	SOLDER	3.625	4.50	5.50	6.00	0.50	2.75	3.4
	PEX	3.625	4.50	5.50	6.00	0.625	2.75	3.3
	CPVC	3.625	4.25	5.00	6.00	0.50	2.75	3.1
	PRESS	3.625	-	5.875	6.00	-	2.75	2.99
3/4"	THREAD	3.625	4.50	5.50	6.00	0.625	2.75	3.4
	SOLDER	3.625	4.50	5.50	6.00	0.75	2.75	3.3
	PEX	3.625	4.625	5.625	6.00	0.625	2.75	3.2
	CPVC	3.625	4.50	5.50	6.00	0.625	2.75	3
	PRESS	3.625	-	5.75	6.00	-	2.75	3.04
1"	THREAD	3.75	4.625	5.75	6.00	0.625	3.375	4.5
	SOLDER	3.75	4.625	5.75	6.00	0.875	3.375	4.4
	PEX	3.75	4.75	6.00	6.00	0.75	3.375	4.3
	CPVC	3.75	4.75	6.00	6.00	0.9375	3.375	4
	PRESS	3.625	-	5.875	6	-	3.375	3.46

Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances.



PART NUMBER MATRIX

36CLF 36C	X	XX	X	X	X
SERIES	CONNECTION	SIZE	GAUGE	PRESSURE RANGE	OPTION
36CLF (LEAD FREE)	1 - SINGLE UNION NPT	03 - 1/2"	0 - WITHOUT GAUGE	1 - 25 - 75 PSIG RANGE	C - CPVC TAILPIECE
36C	2 - NO UNION NPT	04 - 3/4"	P - W/ GAUGE PORT PLUGGED	2 - 10 - 35 PSIG RANGE	P - PUSH*
	3 - SINGLE UNION SOLDER X NPT	05 - 1"	G - W/ GAUGE	3 - 75 - 125 PSIG RANGE	PR - PRESS**
	4 - DOUBLE UNION NPT				
	5 - DOUBLE UNION SOLDER				
	9 - DOUBLE UNION PEX B/C F1807				

* Available in Direct Connection

** Available in Direct Connection, and Double Union

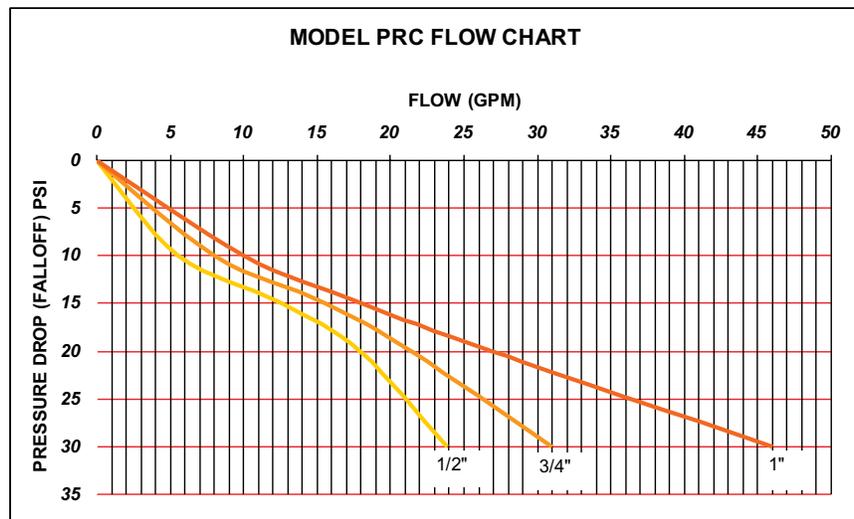
MODEL NUMBER MATRIX

PRC	X	X	X	X	X	LF
	UNION	GAUGE	PRESSURE RANGE	SIZE	END CONNECTION*	
	BLANK - SINGLE UNION	BLANK - NO GAUGE PORT	BLANK - 25 - 75 PSIG RANGE	12 - 1/2"	BLANK - FNPT X FNPT	
	E - EXTENDED UNION	P - W/ GAUGE PORT PLUGGED	L - 10 - 35 PSIG RANGE	34 - 3/4"	SINGLE UNION	
	D - DOUBLE UNION	G - W/ PRESSURE GAUGE	H - 75 - 125 PSIG RANGE	1 - 1"	S - SOLDER X FNPT	
	T - NO UNION (THREADED ONLY)				C - CPVC X FNPT	
					X - PEX F1807 X FNPT	
					DOUBLE UNION	
					S - SOLDER X SOLDER	
					C - CPVC X CPVC	
					X - PEX X PEX	
					B - BSPT X BSPT	
					SC - SOLDER X CPVC	
					SX - SOLDER X PEX F1807	
					CX - CPVC X PEX	
					PR - PRESS X PRESS	

*Two letter union type offered in double union connection only.
Union connections are shipped loose.

WATER CAPACITY (GPM)

FALL-OFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
	25	50	75
5	1.3	1.5	1.7
10	4.7	5.5	6.3
15	10.6	12.5	14.4
20	15.3	18	20.7
5	2.1	2.5	2.9
10	6.8	8	9.2
15	13.2	15.5	17.8
20	18.3	21.5	24.7
5	2.8	3.3	3.7
10	8.5	10	11.5
15	15.3	18	20.7
20	21.3	25	28.8



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.