

36CLF Series

Model PRC-LF - Pressure Reducing Valve

LEAD FREE

SUBMITTAL SHEET

"Apollo" Flow Controls



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

DESCRIPTION

The Apollo® Lead Free* Pressure Reducing Valve Model PRC (36CLF Series) is designed to protect residential and commercial 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. The valve is built for long reliable service with proven ASTM grade Lead Free* materials.

FEATURES

- Built-In Thermal Expansion Bypass
- Balanced Piston Design
- Sealed Spring Cage For Vault Installations
- SS Adjusting Screw & Nut
- Bottom Access to Seat Disc & SS Strainer
- Factory Preset at 50 psi
- NPT, Solder, PEX, CPVC, Press Connections
- 100% Manufactured in USA

APPROVALS

- City of Los Angeles Approved
- NSF/ANSI 372 - Lead Free
- ASSE 1003
- CSA B356

PERFORMANCE RATING

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

OPTIONS

- (-P) - Tapped w/plug
- (-G) - Tapped w/gauge
- (-02) - 10-35 psig
- (-03) - 75-125 psig
- (36C) - with Standard Material

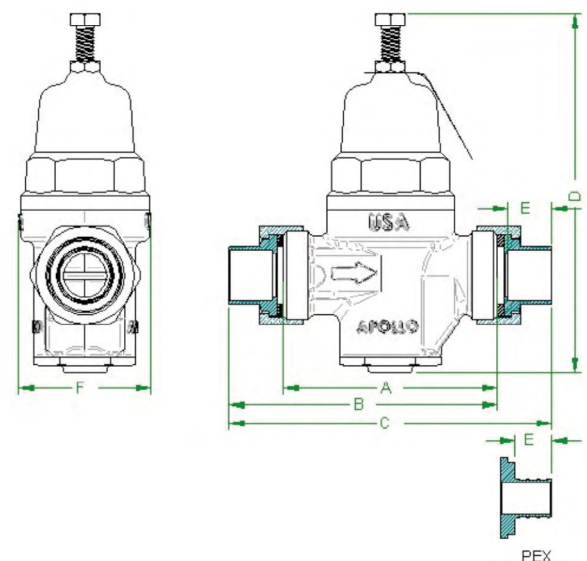
STANDARD MATERIALS LIST

BODY	Lead Free* Bronze, UNS 89836
UNION NUT	BRASS, ASTM B16
TAILPIECE	Lead Free* Brass, UNS C27451
SCREEN	Stainless Steel
CAP	Noryl™
DIAPHRAGM	NSF Grade EPDM
SEAT DISC	NSF Grade EPDM
ADJUSTING SCREW/NUT	Stainless Steel
SPRING	Stainless Steel, ASTM A228
O-RINGS	NSF Grade EPDM

Dimensions

Size (in.)	Connect Type	Dimensions (in.)						Wt. (Union) lbs. 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.



*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law III-380. ANSI 3rd party approved and listed.

Customer Service (704) 841-6000
www.apolloflowcontrols.com

This specification is provided for reference only. Conbraco Industries Inc. reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Conbraco products previously or subsequently sold. Please visit apolloflowcontrols.com for the most current information.



36CLF Series

Model PRC-LF - Pressure Reducing Valve

LEAD FREE

SUBMITTAL SHEET

"Apollo" Flow Controls

Model Number

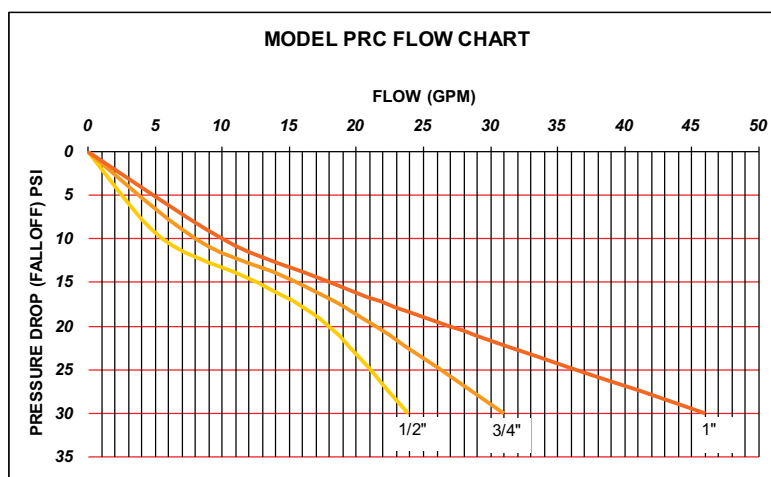
PRC	X	X	X	X	X
UNION	GAUGE	PRESSURE RANGE	SIZE	END CONNECTION*	
blank - Single Union	blank - No Gauge Port	blank - 25 - 75 PSIG range	12 - 1/2"	blank - FNPT x FNPT	
E - Extended Union	P - w/Gauge Port Plugged	L - 10 - 35 PSIG range	34 - 3/4"	Single Union	
D - Double Union	G - w/Pressure Gauge	H - 75 - 125 PSIG range	1 - 1"	S - Solder x FNPT	
T - No Union (Threaded Only)				C - CPVC x FNPT	
				X - PEX 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	
				CX - CPVC x PEX	
				PR - Press x Press	

Part Number

36CLF					
36C	X	XX	X	X	X
SERIES	CONNECTION	SIZE	GAUGE	PRESSURE	OPTION
36CLF	1 - Single Union NPT	03 - 1/2"	0 - Without Gauge	1 - 25 - 75 PSIG range	C - CPVC Tailpiece
36C (non potable)	2 - No Union NPT	04 - 3/4"	P - w/Gauge Port Plugged	2 - 10 - 35 PSIG range	AUB - Extended Union (3/4" and 1")
	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				

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.