

"Apollo" Valves

# SUBMITTAL SHEET

## LEAD FREE

### 36CLF Series

Model PRC-LF - Pressure Reducing Valve



<b>Job Name:</b>	
<b>Job Location:</b>	
<b>Engineer:</b>	
<b>Contractor:</b>	
<b>Tag:</b>	
<b>PO Number:</b>	
<b>Representative:</b>	
<b>Wholesale Distributor:</b>	



### 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 By-Pass
- Balanced Piston Design
- Sealed Spring Cage for Vault Installations
- Bottom Access to Seat Disc and SS Strainer
- Control Pressure Range 10-125 psi
- NPT, Solder, PEX, CPVC connections
- 100% Manufactured in USA

### APPROVALS

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

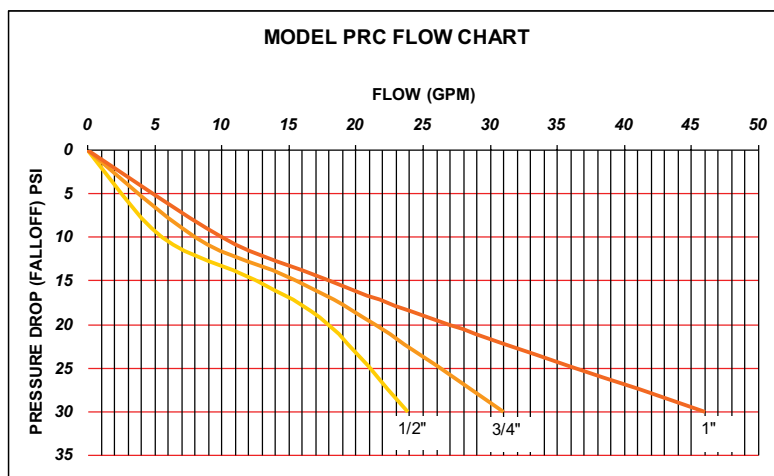


### PERFORMANCE RATING

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

### STANDARD MATERIALS LIST

Part Name	Material
Body	C89836 Lead Free* Bronze
Tailpiece	C27451 Lead Free* Brass
Screen	Stainless Steel
Cap	Glass Filled Celcon®
Diaphragm	FDA grade EPDM
Seat disc	FDA grade EPDM
Stem / Screw	Stainless Steel
Spring	Music Wire ASTM 228
O-Rings	FDA grade Nitrile



### JUMP KIT

For use during system startup and overpressurization.

Kit Number	Size	Adapter
36C404JK	3/4"	Threaded
36C405JK	1"	Threaded
36C504JK	3/4"	Solder
36C504JKC	3/4"	CPVC
36C505JKC	1"	CPVC
36C904JK	3/4"	PEX

- Continued on Next Page -

\* LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

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

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 our website at www.apollovalves.com for the most current information.



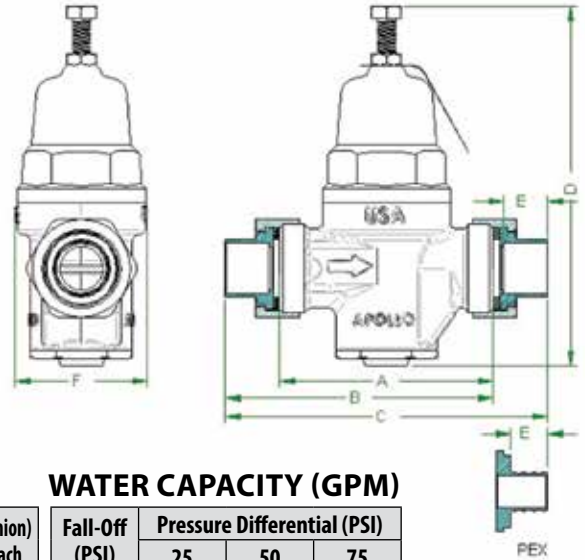
# 'Apollo' Valves

## SUBMITTAL SHEET

### LEAD FREE

## 36CLF Series

Model PRC-LF - Pressure Reducing Valve



### DIMENSIONS

Size (in.)	Connect Type	Dimensions (in.)						Wt. (Union) lbs. each
		A	B	C	D	E	F	
1/2"	THREAD	3-5/8	4-1/2	5-3/8	6	5/8	2-3/4	3.5
	SOLDER	3-5/8	4-1/2	5-1/2	6	1/2	2-3/4	3.4
	PEX	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3.3
	CPVC	3-5/8	4-1/4	5	6	1/2	2-3/4	3.1
3/4"	THREAD	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3.4
	SOLDER	3-5/8	4-1/2	5-1/2	6	3/4	2-3/4	3.3
	PEX	3-5/8	4-5/8	5-5/8	6	5/8	2-3/4	3.2
	CPVC	3-5/8	4-1/2	5-1/2	6	5/8	2-3/4	3
1"	THREAD	3-3/4	4-5/8	5-3/4	6	5/8	3-3/8	4.5
	SOLDER	3-3/4	4-5/8	5-3/4	6	7/8	3-3/8	4.4
	PEX	3-3/4	4-3/4	6	6	3/4	3-3/8	4.3
	CPVC	3-3/4	4-3/4	6	6	15/16	3-3/8	4

### 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

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

### MODEL NUMBER

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

\* Also available with Press Connections. See 36CLF-PR Series submittal.

### PART NUMBER

36CLF	X	XX	X	X	X
CONNECTION	SIZE	GAUGE	PRESSURE	OPTION	
1 = Single Union NPT	03 = 1/2"	0 = Without Gauge	1 = 25 - 75 PSIG range	C = CPVC Tailpiece	
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		
4 = Double Union NPT					
5 = Double Union Solder					
6 = Single Union Meter					
9 = Double Union PEX					

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

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 our website @ [www.apollovalves.com](http://www.apollovalves.com) for the most current information.

