

'Apollo' Valves

SUBMITTAL SHEET

36C Series

Model PRC - Pressure Reducing Valve



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



DESCRIPTION

The 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
- Built-in Thermal Expansion By-Pass
- Easy Access to Seat Disc and SS Strainer
- Control Pressure Range 10-125 psi
- NPT, Solder, PEX, CPVC connections
- 100% Manufactured in USA

APPROVALS

- ASSE 1003
- CSA B356



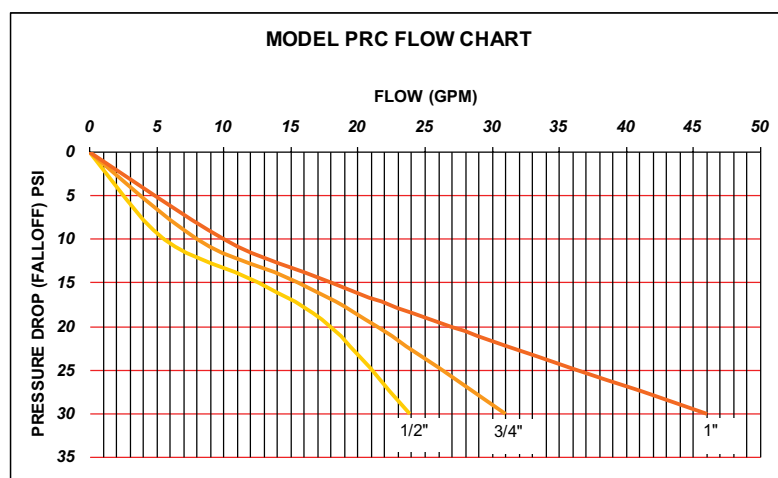
STANDARD MATERIALS LIST

Part Name	Material
Body	Bronze, ASTM B584
Tailpiece	Brass, ASTM B16
Screen	Stainless Steel
Cap	Glass Filled Celcon®
Diaphragm	FDA grade EPDM
Seat disc	FDA grade EPDM
Stem / Adjusting Screw	Stainless Steel
Spring	Music Wire ASTM 228
O-Rings	FDA grade Nitrile

PERFORMANCE RATING

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

Not intended for potable water



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 –

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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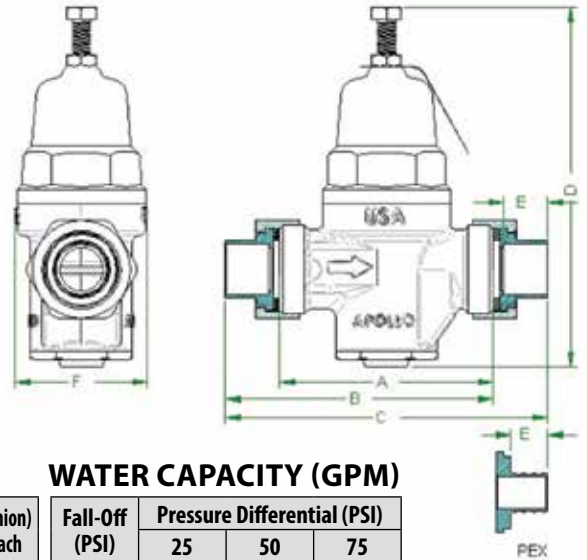


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DIMENSIONS

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	X
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"	Single Union	
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	
				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	

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

PART NUMBER

36C	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					

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