

'Apollo' Valves

SUBMITTAL SHEET

36 Series

Model PR - Pressure Reducing Valve



DESCRIPTION

The Apollo® Model PR (36 Series) Pressure Reducing Valves are designed to protect residential and commercial water distribution systems by controlling excessive pressures. The valves are built for long reliable service with proven ASTM grade materials including a bronze body and stainless steel strainer.



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

FEATURES

- Corrosion Resistant Sealed Body and Bonnet
- Pressure Gauge Connection Option
- 100% Factory Tested
- Integral SS Strainer
- Balanced Piston Design
- Internal Thermal Expansion By-pass
- Standard Pressure Setting: 50 psi
- High and Low Pressure Options
- Multiple Connections Types
- 100% Manufactured in USA

PERFORMANCE RATING

- Maximum Supply Pressure up to 300 psig
- Temperature Range: 33 °F – 180 °F
- Maximum Set Pressure: 125 psig

APPROVALS

- ASSE 1003
- CSA B356



Not intended for potable water

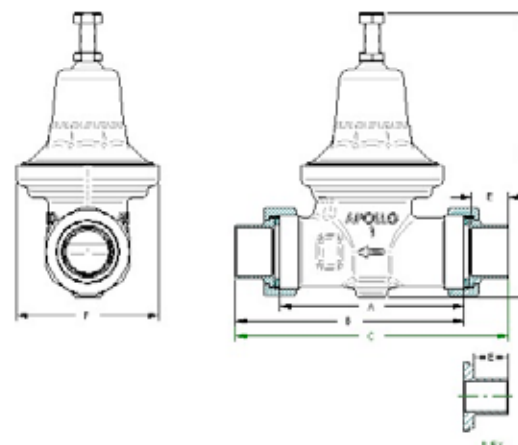
STANDARD MATERIALS LIST

Part Name	Material
Body	Bronze, ASTM B584
Covers	Bronze, ASTM B584
Diaphragm	FDA Grade Buna W/ Polyester
Seat disc	FDA Grade EPDM
Stem	Brass, ASTM B-16
Spring	Stainless Steel
O-Rings	FDA approved Nitrile

DIMENSIONS

Size (in.)	Connect Type	Dimensions (in.)						Wt. (Union) lbs. each
		A	B	C	D	E	F	
1/2"	THREAD	4	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3.5
	SOLDER	4	4-7/8	5-5/8	5-7/8	1/2	2-3/4	3.4
	PEX	4	5	5-3/4	5-7/8	5/8	2-3/4	3.3
	CPVC	4	4-5/8	5-1/4	5-7/8	1/2	2-3/4	3.1
3/4"	THREAD	3-7/8	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3.4
	SOLDER	3-7/8	4-7/8	5-5/8	5-7/8	3/4	2-3/4	3.3
	PEX	3-7/8	5	5-3/4	5-7/8	5/8	2-3/4	3.2
	CPVC	3-7/8	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3
1"	THREAD	4-3/8	5-1/2	6-3/8	6-7/8	5/8	3-3/8	4.5
	SOLDER	4-3/8	5-1/2	6-3/8	6-7/8	5/8	3-3/8	4.4
	PEX	4-3/8	5-1/2	6-5/8	6-7/8	7/8	3-3/8	4.3
	CPVC	4-3/8	5-3/4	7	6-7/8	3/4	3-3/8	4
1-1/4"	THREAD	5-3/8	6-1/2	7-1/2	8-7/8	7/8	4	10.2
	SOLDER	5-3/8	6-5/8	7-3/4	8-7/8	1	4	10.1
1-1/2"	THREAD	5-3/8	6-5/8	7-7/8	8-7/8	3/4	4	10.4
	SOLDER	5-3/8	6-3/4	8	8-7/8	1-1/8	4	10.3
2"	THREAD	7-1/8	8-1/2	9-7/8	11-1/2	1	5-3/4	22.5
	SOLDER	7-1/8	8-7/8	10-1/2	11-1/2	1-3/8	5-3/4	22.4

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



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Apollo Valves, Manufactured by **Conbraco Industries, Inc.**
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FLOW CAPACITY

Pipe Size	Fall-Off* (PSI)	Pressure Differential (PSI)			Pipe Size	Fall-Off* (PSI)	Pressure Differential (PSI)		
		25	50	75			25	50	75
1/2"	5	1.3	1.5	1.7	1-1/4"	5	8.5	10	11.5
	10	4.7	5.5	6.3		10	19.6	23	26.5
	15	10.6	12.5	14.4		15	35.7	42	48.3
	20	15.3	18	20.7		20	53	62	71
3/4"	5	2.1	2.5	2.9	1-1/2"	5	12	14	16
	10	6.8	8	9.2		10	27	32	37
	15	13.2	15.5	17.8		15	48	56	64
	20	18.3	21.5	24.7		20	68	80	92
1"	5	2.8	3.3	3.7	2"	5	15	18	21
	10	8.5	10	11.5		10	39	46	53
	15	15.3	18	20.7		15	66	78	90
	20	21.3	25	28.8		20	94	110	127

* Fall Off is the difference between the PRV's set pressure and the flowing pressure at any given demand.

MODEL NUMBER

PR	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)			114 = 1-1/4"	C = CPVC x FNPT	
			112 = 1-1/2"	X = PEX x FNPT	
			2 = 2"	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 36-PR Series submittal.

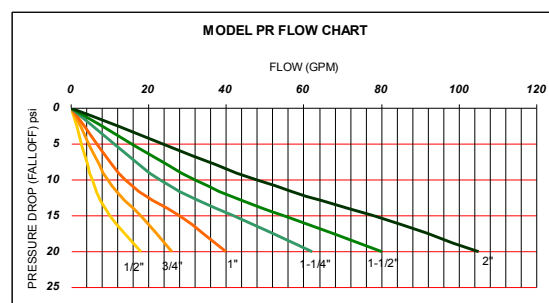
PART NUMBER

36	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	Blank = No Option	
2 = No Union NPT	04 = 3/4"	P = w/Gauge Port Plugged	2 = 10 - 35 PSIG range	C = CPVC Tailpiece	
3 = Single Union Solder x NPT	05 = 1"	G = w/Gauge	3 = 75 - 125 PSIG range	S = Sealed Cage	
4 = Double Union NPT	06 = 1-1/4"	X = PEX		AUB = Extended Union (3/4" and 1")	
5 = Double Union Solder	07 = 1-1/2"				
6 = Single Union Meter	08 = 2"				
8 = Double Union CPVC					
9 = Double Union PEX					

JUMP KIT

For use during system startup and overpressurization.

Kit Number	Size	Adapter
36404JK	3/4"	Threaded
36405JK	1"	Threaded
36406JK	1-1/4"	Threaded
36504JK	3/4"	Solder
36505JK	1"	Solder
36506JK	1-1/4"	Solder
36504JKC	3/4"	CPVC
36505JKC	1"	CPVC



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