

36 Series

Model PR - Pressure Reducing Valve

SUBMITTAL SHEET

"Apollo" Valves



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

DESCRIPTION

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.

FEATURES

- Corrosion Resistant Bronze Body and Bonnet
- 100% Factory Tested, preset to 50 psi (-01)
- Control Pressure Ranges:
10-35 psi, 25-75 psi (standard), 75-125 psi
- Integral SS Strainer
- Balanced Piston Design
- Internal Thermal Expansion By-pass
- Multiple Connection Options
- Optional Pressure Gauge or tapping
- **100% Manufactured in USA**

APPROVALS

- ASSE 1003
- CSA B356

OPTIONS

- (P) - Tapped w/ Plug
- (G) - Tapped w/ Gauge
- (02) - 10-35 psig
- (03) - 75-125 psig
- (36LF) - Certified Lead Free

STANDARD MATERIALS LIST

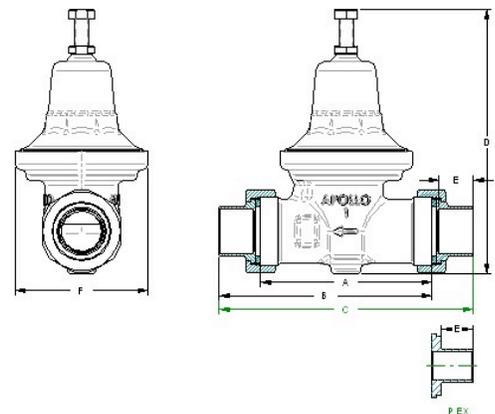
BODY	Bronze, ASTM B584
COVER	Bronze, ASTM B584
DIAPHRAGM	FDA Grade Buna W/ Polyester
SEAT DISC	FDA Grade EPDM
STEM	Brass, ASTM B-16
SPRING	Stainless Steel
O-RINGS	FDA approved Nitrile

PERFORMANCE RATING

- Maximum Supply Pressure up to 300 psig
- Temperature Range 33 °F - 180 °F

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.

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

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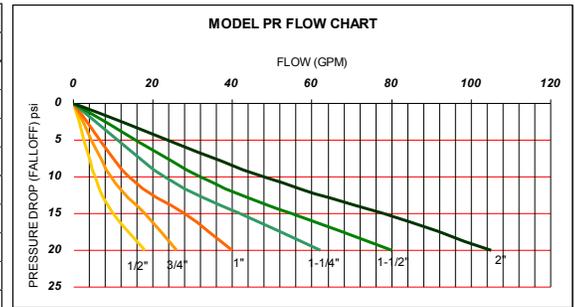
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FLOW CAPACITY

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



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.

MODEL NUMBER

PR	X	X	X	X	X	LF					
UNION		GAUGE		PRESSURE RANGE		SIZE		END CONNECTION*		LF	
blank = Single Union		blank = No Gauge Port		blank = 25 - 75 PSIG		12 = 1/2"		blank = FNPT x FNPT		LF = Lead Free	
E = Extended Union		P = w/Gauge Port Plugged		L = 10 - 35 PSIG		34 = 3/4"		Single Union		blank = Non Potable	
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"		S = Solder x Solder			
						2 = 2"		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

36LF	X	XX	X	X	X
36	CONNECTION	SIZE	GAUGE	PRESSURE	OPTION
36LF	1 = Single Union NPT	03 = 1/2"	0 = Without Gauge	1 = 25 - 75 PSIG range	Blank = No Option
36 (non potable)	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		
	5 = Double Union Solder	07 = 1-1/2"			
	6 = Single Union Meter	08 = 2"			
	8 = Double Union CPVC				
	9 = Double Union PEX				