

'Apollo' Valves

SUBMITTAL SHEET

LEAD FREE

36LF Series

Model PR-LF - Pressure Reducing Valve



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



DESCRIPTION

The Apollo® Model PR-LF (36LF 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 Lead Free* bronze body and stainless steel strainer.

FEATURES

- Lead Free* AB 1953 Certified
- Corrosion Resistant Bronze Body and Bonnet
- 100% Factory Tested, preset to 50 psi (-01)
- Integral SS Strainer
- Balanced Piston Design
- Internal Thermal Expansion By-pass
- High and Low Pressure Options
- Multiple Connection Options
- Optional Pressure Gauge or tapping
- 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

- NSF/ANSI 372 Lead Free
- ASSE 1003
- CSA B356

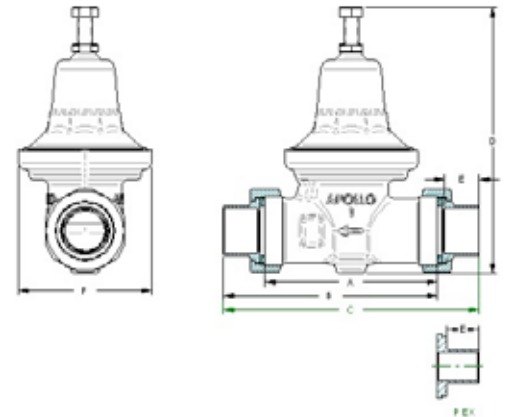


STANDARD MATERIALS LIST

Part Name	Material
Body	C89836 Lead Free* Bronze
Cover	Bronze, ASTM B584
Diaphragm	FDA Grade Buna W/ Polyester
Seat disc	FDA Grade EPDM
Stem	C27450 Lead Free* Brass
Spring	Stainless Steel
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	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



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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 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 @ www.apollovalves.com for the most current information.



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FLOW CAPACITY

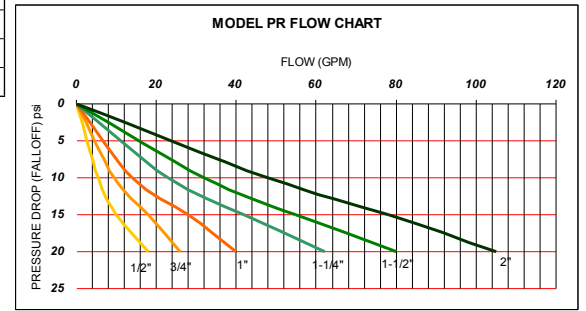
Pipe Size	Fall-Off* (PSI)	Pressure Differential (PSI)			Pipe Size	Fall-Off* (PSI)	Pressure Differential (PSI)		
		25	50	75			25	50	75
1/2"	5	1.7	2	2.3	1-1/4"	5	1.7	2	2.3
	10	4.3	5	5.8		10	4.3	5	5.8
	15	8.5	10	11.5		15	8.5	10	11.5
	20	15.3	18	20.7		20	15.3	18	20.7
3/4"	5	1.7	2	2.3	1-1/2"	5	1.7	2	2.3
	10	4.3	5	5.8		10	4.3	5	5.8
	15	8.5	10	11.5		15	8.5	10	11.5
	20	15.3	18	20.7		20	15.3	18	20.7
1"	5	1.7	2	2.3	2"	5	1.7	2	2.3
	10	4.3	5	5.8		10	4.3	5	5.8
	15	8.5	10	11.5		15	8.5	10	11.5
	20	15.3	18	20.7		20	15.3	18	20.7

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

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



MODEL NUMBER

PRLF	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

36LF	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					

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