



Lead Free* Model PR-LF

WATER PRESSURE REDUCING VALVE (36LF Series)

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	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

MATERIAL SPECIFICATIONS

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

APPROVALS / RATINGS

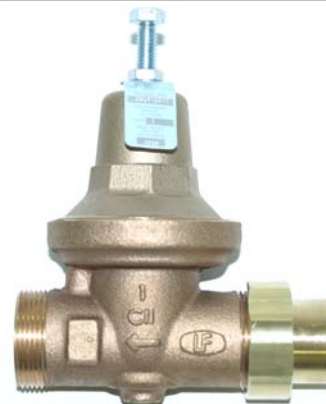
Maximum Supply Pressure up to 300 psig
Temperature Range 33 °F – 180 °F
Maximum Set Pressure: 125 psig



***LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB 1953 and VT S.152. ANSI 3rd party certified and listed.

ORDER NUMBER MATRIX

36LF	-	CONNECTION	OPTION	SIZE	GAUGE	PRESSURE
		1- SINGLE UNION NPT	0 - NO OPTION	3 - 1/2"	0 - W/O GAUGE	1- 25-75 PSI RANGE
		2- NO UNION NPT	C- CPVC TAILPIECE	4 - 3/4"	P - WITH GAUGE PORT PLUG	2- 10-35 PSI RANGE
		3- SINGLE UNION SOLDER	S - SS TRIM	5 - 1"	G- WITH GAUGE	3- 75-125 PSI RANGE
		4- DOUBLE UNION NPT	X - PEX TAILPIECE	6 - 1-1/4"		
		5- DOUBLE UNION SOLDER		7 - 1-1/2"		
		6- SINGLE UNION METER x NPT		8 - 2"		
		8- DOUBLE UNION CPVC				
		9- DOUBLE UNION PEX				



MODEL NUMBER

PR- ☐ - ☐ - ☐ - ☐ - ☐ - ☐ - LF

UNION

- ☐ Blank – Single Union
- ☐ T – No Union
- ☐ D – Double Union

GAUGE

- ☐ Blank – No Gauge Port (Standard)
- ☐ P – Plugged Gauge Port
- ☐ G – W/ Pressure Gauge

PRESSURE RANGE

- ☐ Blank – 25–75 PSIG
- ☐ L – 10-35 PSIG
- ☐ H – 75-125 PSIG

MISCELLANEOUS OPTIONS

- ☐ A – Stainless Steel Trim

SIZE

- ☐ -12 = 1/2" ☐ - 114 = 1-1/4"
- ☐ - 34 = 3/4" ☐ - 112 = 1-1/2"
- ☐ - 1 = 1" ☐ - 2 = 2"

END CONNECTION

- ☐ BLANK –FNPT x FNPT (No Union)

Single Union

- ☐ S - Solder x FNPT
- ☐ C – CPVC x FNPT
- ☐ X – PEX x FNPT
- ☐ T – FNPT 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

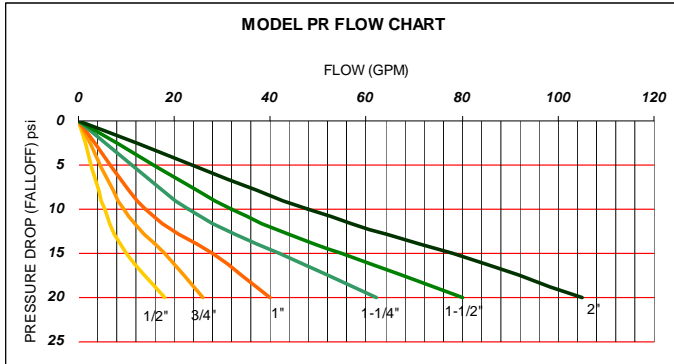


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Model PR-LF

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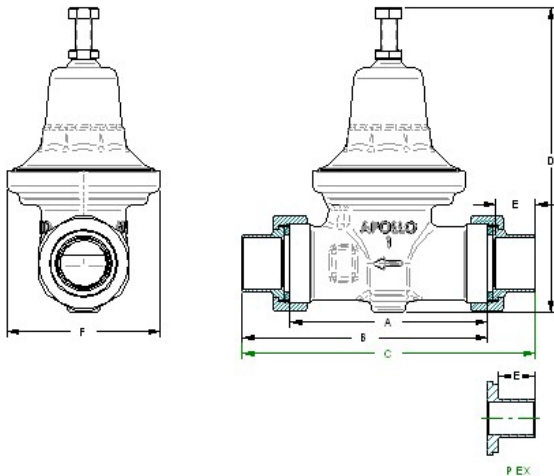
FLOW AND SIZING INFORMATION



DIMENSIONAL INFORMATION

CONNECT TYPE	SIZE (in)	DIMENSIONS (IN.)						WT. (Union) (lbs. EA)
THREAD	1/2"	4	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3.5
SOLDER	1/2"	4	4-7/8	5-5/8	5-7/8	1/2	2-3/4	3.4
PEX	1/2"	4	5	5-3/4	5-7/8	5/8	2-3/4	3.3
CPVC	1/2"	4	4-5/8	5-1/4	5-7/8	1/2	2-3/4	3.1
THREAD	3/4"	3-7/8	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3.4
SOLDER	3/4"	3-7/8	4-7/8	5-5/8	5-7/8	3/4	2-3/4	3.3
PEX	3/4"	3-7/8	5	5-3/4	5-7/8	5/8	2-3/4	3.2
CPVC	3/4"	3-7/8	4-7/8	5-5/8	5-7/8	5/8	2-3/4	3
THREAD	1"	4-3/8	5-1/2	6-3/8	6-7/8	5/8	3-3/8	4.5
SOLDER	1"	4-3/8	5-1/2	6-3/8	6-7/8	5/8	3-3/8	4.4
PEX	1"	4-3/8	5-1/2	6-5/8	6-7/8	7/8	3-3/8	4.3
CPVC	1"	4-3/8	5-3/4	7	6-7/8	3/4	3-3/8	4
THREAD	1-1/4"	5-3/8	6-1/2	7-1/2	8-7/8	7/8	4	10.2
SOLDER	1-1/4"	5-3/8	6-5/8	7-3/4	8-7/8	1	4	10.1
THREAD	1-1/2"	5-3/8	6-5/8	7-7/8	8-7/8	3/4	4	10.4
SOLDER	1-1/2"	5-3/8	6-3/4	8	8-7/8	1-1/8	4	10.3
THREAD	2"	7-1/8	8-1/2	9-7/8	11-1/2	1	5-3/4	22.5
SOLDER	2"	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.



WATER CAPACITY (GPM)

PIPE SIZE	FALL-OFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
		25	50	75
1/2"	5	1.7	2	2.3
	10	4.3	5	5.8
	15	8.5	10	11.5
	20	15.3	18	20.7
3/4"	5	3.4	4	4.6
	10	7.7	9	10.4
	15	14.5	17	19.6
	20	22.1	26	29.9
1"	5	5.1	6	6.9
	10	11.9	14	16.1
	15	22.1	26	29.9
	20	34	40	46
1-1/4"	5	8.5	10	11.5
	10	19.6	23	26.5
	15	35.7	42	48.3
	20	53	62	71
1-1/2"	5	12	14	16
	10	27	32	37
	15	48	56	64
	20	68	80	92
2"	5	15	18	21
	10	39	46	53
	15	66	78	90
	20	94	110	127

JUMP KITS

FOR USE DURING SYSTEM STARTUP AND OVERPRESSURIZATION

Kit Number	Size	Adapter
36C304.IKF	3/4"	Threaded
36C305JKF	1"	Threaded
36C304.JKS	3/4"	Solder
36C305.JKS	1"	Solder
36C304.IKC	3/4"	CPVC
36C305.JKC	1"	CPVC



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