"Apollo"® Valves
SUBMITTAL SHEET

36ELF-G Series

Pressure Reducing Valve

LEAD FREE



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

DESCRIPTION

The **Apollo® Model PRE (36ELF-G Series) Pressure Reducing Valve** with built in pressure gauge is designed to conserve water and protect water distribution systems by automatically reducing elevated supply pressures. These PRVs are Ideal for industrial and irrigation applications. The built in gauge easily allows the installer and the user to see the downstream pressure. The dezincification resistant bronze body and dielectric polymer cage provide maximum corrosion resistance. Designed for easy in-line servicing with simple cartridge removal.

FEATURES

- Balanced Piston Design
- SS Adjusting Screw & Nut
- Sealed Cage for Vault Installations
- Built-in Thermal Expansion Bypass
- Large Area Integral Stainless Steel Strainer
- Modular Seat Disc and Strainer Cartridge
- Control Pressure Ranges: 15-75 psi and 75-150 psi
- Factory Tested and Preset at 60 psi
- High Flow / High Efficiency Design
- NPT, Solder, PEX, CPVC, Push & Press Connections
- Single, Double & Less Union Configurations Available
- **100% Manufactured in USA – ARRA Compliant**

PERFORMANCE RATING

- Maximum Supply Pressure: 400 psig
- Push & Press Max Supply Pressure: 200 psig
- Working Temperature Range: 33°F – 180°F

APPROVALS

- NSF/ANSI 372 Lead Free
- NSF/ANSI 61 Water Quality
- ASSE 1003
- IAPMO/UPC
- CSA B356

OPTIONS

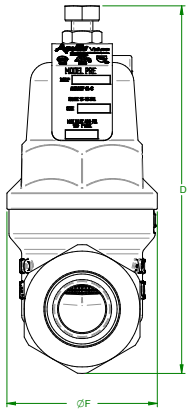
- (-B) - Bronze Cap **NEW!**
- (36E) - w/ Standard Materials for Non-Potable Applications
- Direct Press Connections, See Submittal SS1286
- Direct Push Connections, See Submittal SS1284

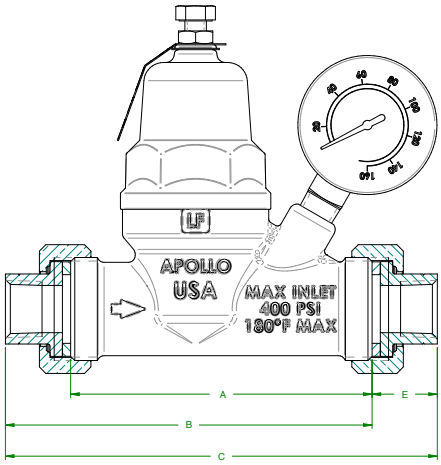
STANDARD MATERIALS LIST

BODY	LF Bronze, UNS 89836
UNION NUT	Brass, ASTM B16
TAILPIECE	LF Brass, UNS C27451
SCREEN	Stainless Steel
CAP	Noryl
DIAPHRAGM	NSF Grade EPDM
SEAT DISC	NSF Grade EPDM
ADJUSTING SCREW/NUT	Stainless Steel
SPRING	Stainless Steel, ASTM A228
O-RINGS	NSF Grade EPDM

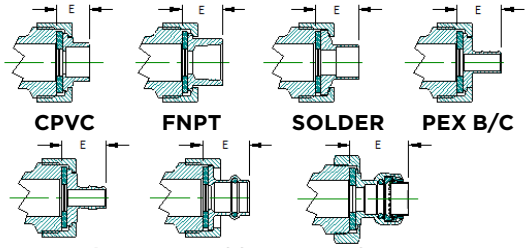
DIMENSIONS

CONNECTION TYPE	SIZE (IN.)	DIMENSIONS (IN.)						WEIGHTS (LB.)	
		A	B	C	D	E	F	SINGLE UNION	DOUBLE UNION
Thread - FNPT	1/2	4.39	5.34	6.29	6	0.95	2.75	2.6	2.9
Solder		4.39	5.32	6.25	6	0.93	2.75	2.6	2.9
CPVC		4.39	5.09	5.79	6	0.70	2.75	2.6	2.9
PEX A		4.39	5.59	6.79	6	1.20	2.75	2.9	3.2
PEX B/C		4.39	5.41	6.43	6	1.02	2.75	2.9	3.2
Push		4.39	5.62	6.85	6	1.23	2.75	3.1	3.2
Push*		4.39	5.86	7.33	6	1.47	2.75	3.0	3.1
Press		4.39	5.38	6.37	6	0.99	2.75	3.1	3.2
Press*		4.39	5.73	7.07	6	1.34	2.75	2.6	2.9
Thread - FNPT	3/4	4.39	5.32	6.25	6	0.93	2.75	2.6	2.9
Solder		4.39	5.32	6.25	6	0.93	2.75	2.6	2.9
CPVC		4.39	5.31	6.23	6	0.92	2.75	2.6	2.9
PEX A		4.39	5.59	6.79	6	1.20	2.75	2.9	3.2
PEX B/C		4.39	5.64	6.89	6	1.25	2.75	2.9	3.1
Push		4.39	6.17	7.95	6	1.78	2.75	3.1	3.2
Push*		4.39	5.99	7.59	6	1.60	2.75	3.0	3.4
Press		4.39	5.53	6.67	6	1.14	2.75	3.1	3.2
Press*		4.39	5.89	7.39	6	1.50	2.75	2.6	2.9
Thread - FNPT	1	3.64	4.70	5.76	6	1.06	3.38	2.4	2.9
Solder		3.64	4.70	5.76	6	1.06	3.38	2.4	2.9
CPVC		3.64	4.80	5.96	6	1.16	3.38	2.4	2.9
PEX A		3.64	4.81	5.98	6	1.17	3.38	3.2	3.7
PEX B/C		3.64	5.19	6.74	6	1.55	3.38	3.1	3.6
Push		3.64	5.60	7.56	6	1.96	3.38	3.2	3.7
Push*		3.64	5.55	7.46	6	1.91	3.38	3.3	3.9
Press		3.64	4.82	6.00	6	1.18	3.38	3.2	3.7
Press*		3.64	5.26	6.88	6	1.62	3.38	2.4	2.9





TAILPIECES



**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.*

This specification is provided for reference only. Apollo reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Apollo products previously or subsequently sold. Most current information available at apollovalves.com.

aalberts integrated piping systems

36ELF-G Series

Pressure Reducing Valve

LEAD FREE

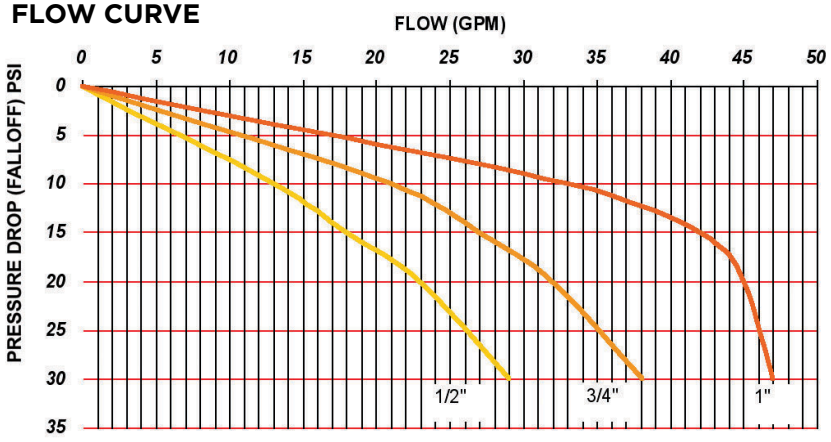
PART NUMBER MATRIX

36ELF	1	X	X	G	X	X	X
SERIES	STYLE	UNION	SIZE	GAUGE	PRESSURE RANGE	CONNECTION	OPTION
36ELF (LEAD FREE)	1	0 - NO UNION NPT	3 - 1/2"	G	1 - 15 - 75 PSIG RANGE	T - FNPT THREAD	B - BRONZE CAP
		1 - SINGLE UNION	4 - 3/4"		3 - 75-150 PSIG RANGE	S - SOLDER	
		2 - DOUBLE UNION	5 - 1"			C - CPVC	
						X - PEX B/C (F1807)	
						P - PUSH*	
						PR - PRESS**	
						X2 - PEX A (F1960)	

PEX A (ASTM F1960) - Cold Expansion PEX
PEX B/C (ASTM F1807) - Crimp Style PEX
** Available in Direct Connection, Single Union x NPT, and Double Union*
*** Available in Direct Connection, and Double Union*

PIPE SIZE	*FALLOFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
		25	50	75
		WATER CAPACITY (GPM)		
1/2"	10	10	13	16
	15	13	18	22
	20	17	23	29
	30	22	29	36
3/4"	10	16	21	26
	15	20	27	32
	20	24	32	40
	30	29	38	48
1"	10	25	33	41
	15	30	42	52
	20	34	45	56
	30	35	47	59

FLOW CURVE



Falloff is the difference between the PRV's set pressure and the flowing pressure at any given demand
Pressure Differential is the difference between the inlet supply pressure and the adjusted outlet pressure.
Pressure Falloff is the reduction in downstream pressure from the static (set) pressure as the flow increases through the valve.

This specification is provided for reference only. Apollo reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Apollo products previously or subsequently sold. Most current information available at apollovalves.com.