

PRE SERIES (36ELF)



The Apollo® 36ELF is designed for residential and commercial applications to protect water supplies from excessive pressure. Excellent flow performance at low pressure drop. The dezincification resistant bronze body and dielectric polymer cage provide maximum corrosion resistance. Designed for easy in-line servicing with simple cartridge removal. They meet ASSE 1003 and CSA B356 standards. They are listed with IAPMO and the city of Los Angeles.

FEATURES

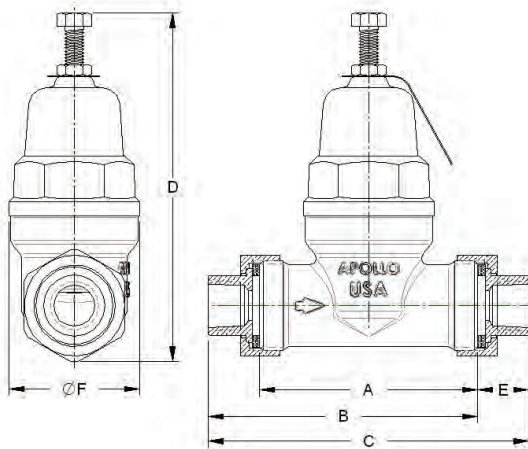
- Balanced Piston Design
- Sealed Cage for Vault Installations
- Built-In Thermal Expansion Bypass
- Integral Stainless Steel Strainer
- Modular Seat Disc and Strainer Cartridge
- Control Pressure Ranges: 15-75 psi and 75-150 psi
- NPT, Solder, PEX A, PEX B/C, CPVC and Press and Push Connections
- Single, Double & Less Union Configurations Available
- Maximum Supply Pressure: 400 psig
- Push & Press Max Supply Pressure: 200 psig
- Working Temperature Range: 33° - 180°F
- **100% Manufactured in USA**

OPTIONS

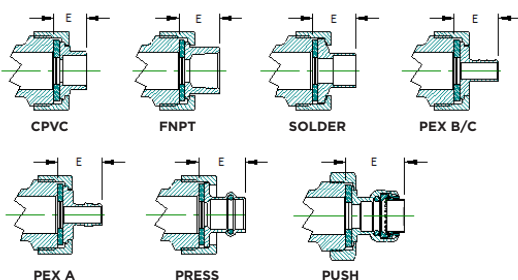
- **(-B) Bronze Cap** **NEW!**
- **(-X2) PEX A (F1960) Cold Expansion** **NEW!**
- 36E Non-LF Materials for Non-Potable Service, Such as Irrigation

APPROVALS

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



TAILPIECES



DIMENSIONS

CONNECTION TYPE	SIZE (IN.)	DIMENSIONS (IN.)						WEIGHTS (LB.)	
		A	B	C	D	E	F	SINGLE UNION	DOUBLE UNION
Thread - FNPT	1/2	3.625	4.58	5.53	6	0.95	2.75	2.4	2.75
Solder		3.625	4.56	5.49	6	0.93	2.75	2.4	2.75
CPVC		3.625	4.33	5.03	6	0.70	2.75	2.4	2.75
PEX A		3.625	4.83	6.03	6	1.20	2.75	2.7	3.01
PEX B/C		3.625	4.65	5.67	6	1.02	2.75	2.7	2.99
Push		3.625	4.86	6.09	6	1.23	2.75	2.9	3.02
Push*		3.625	5.10	6.57	6	1.47	2.75	2.8	2.92
Press		3.625	4.62	5.61	6	0.99	2.75	2.9	3.02
Press*		3.625	4.97	6.31	6	1.34	2.75	2.4	2.75
Thread - FNPT	3/4	3.625	4.56	5.49	6	0.93	2.75	2.4	2.75
Solder		3.625	4.56	5.49	6	0.93	2.75	2.4	2.75
CPVC		3.625	4.55	5.47	6	0.92	2.75	2.4	2.75
PEX A		3.625	4.83	6.03	6	1.20	2.75	2.7	3.02
PEX B/C		3.625	4.88	6.13	6	1.25	2.75	2.7	2.98
Push		3.625	5.41	7.19	6	1.78	2.75	2.9	3.02
Push*		3.625	5.23	6.83	6	1.60	2.75	2.8	3.23
Press		3.625	4.77	5.91	6	1.14	2.75	2.9	3.02
Press*		3.625	5.13	6.63	6	1.50	2.75	2.4	2.75
Thread - FNPT	1	3.625	4.69	5.75	6	1.06	3.38	2.4	2.86
Solder		3.625	4.69	5.75	6	1.06	3.38	2.4	2.86
CPVC		3.625	4.79	5.95	6	1.16	3.38	2.4	2.86
PEX A		3.625	4.80	5.97	6	1.17	3.38	3.2	3.65
PEX B/C		3.625	5.18	6.73	6	1.55	3.38	3.1	3.56
Push		3.625	5.59	7.55	6	1.96	3.38	3.2	3.65
Push*		3.625	5.54	7.45	6	1.91	3.38	3.3	3.91
Press		3.625	4.81	5.99	6	1.18	3.38	3.2	3.65
Press*		3.625	5.25	6.87	6	1.62	3.38	2.4	2.86

*Direct Connect

PEX A (ASTM F1960) - Cold Expansion PEX | PEX B/C (ASTM F1807) - Crimp Style PEX

PRE SERIES (36ELF / 36ELF-G)

STANDARD MATERIALS LIST

BODY	Bronze, ASTM B584
	LF Bronze, UNS 89836
CAP	Noryl™
SPRING	Steel, ASTM 228
ADJUSTING SCREW/NUT	Stainless Steel
UNION NUT	Brass, ASTM B16
TAILPIECE	Brass, ASTM B16
	LF Brass, UNS C27451
SCREEN	Stainless Steel
DIAPHRAGM	NSF Grade EPDM
SEAT DISC	NSF Grade EPDM
O-RINGS	NSF Grade EPDM

PART NUMBER MATRIX

36ELF 36E	1	X	X	XX	X	X
SERIES	STYLE	UNION	SIZE	PRESSURE RANGE	CONNECTION	OPTION
36ELF (LEAD FREE)	1	0 - NO UNION NPT	3 - 1/2"	01 - 15 - 75 PSIG RANGE	T - FNPT THREAD	B - BRONZE CAP
36E		1 - SINGLE UNION	4 - 3/4"	03 - 75 - 150 PSIG RANGE	S - SOLDER	
		2 - DOUBLE UNION	5 - 1"	WITH GAUGE (LF ONLY)	C - CPVC	
				G1 - 15 - 75 PSIG RANGE	X - PEX B/C (F1807)	
				G3 - 75 - 150 PSIG RANGE	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

FLOW CURVE

PIPE SIZE	*FALLOFF (PSI)	PRESSURE DIFFERENTIAL (PSI)		
		25	50	75
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

*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.

