

# 36ELF Series

Pressure Reducing Valve

## LEAD FREE



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

### DESCRIPTION

The Apollo 36ELF Series Lead Free\* Pressure Reducing Valve is designed to conserve water and protect water distribution systems by automatically reducing elevated supply pressures. The dezincification resistant bronze body, stainless steel adjusting screw 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/CAN 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

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

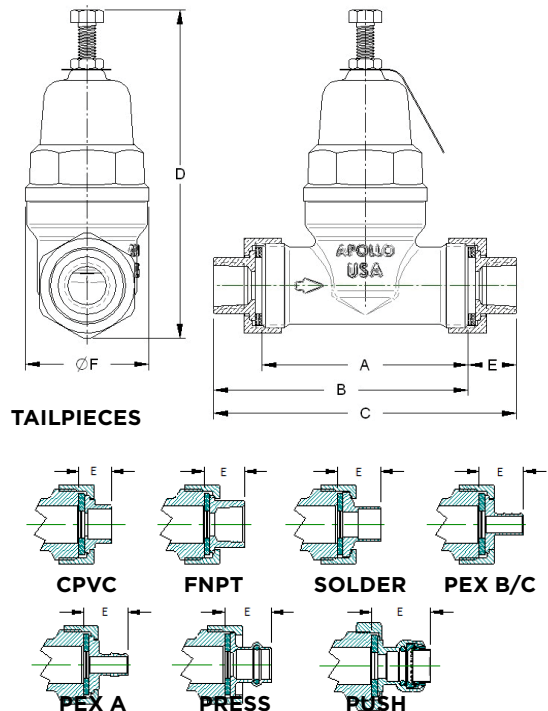
### DIMENSIONS

CONNECTION TYPE	SIZE (IN.)	DIMENSIONS (IN.)						WEIGHTS (LB.)	
		A	B	C	D	E	F	SINGLE UNION	DOUBLE UNION
Thread - FNPT	1/2	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

\*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.



# 36ELF Series

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### 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"		C - CPVC	
					X - PEX B/C (F1807)	
					P - PUSH*	
					PR - PRESS**	
					X2 - PEX A (F1960)	

PEX A (ASTM F1960) - Cold Expansion PEX

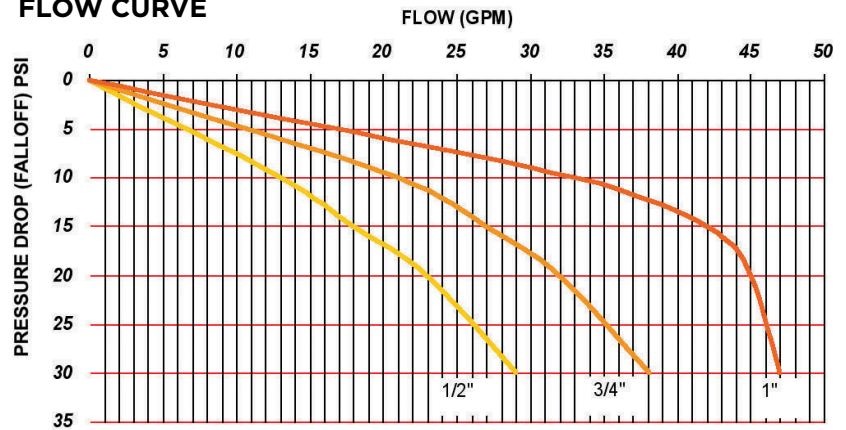
PEX B/C (ASTM F1807) - Crimp Style PEX

\* 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.