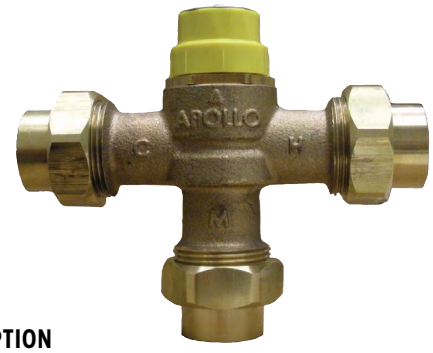
34BLF Series

Mixing Valve

LEAD FREE

SUBMITTAL SHEET

"Apollo"® Flow Controls



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

DESCRIPTION

The **Apollo® MVB-LF (34BLF Series) Thermostatic Master Mixing Valves** are designed to control and limit the volumes of cold and hot water required to deliver mixed water at a predetermined temperature either from the "point of source" or "point of use" application for single or multiple fixtures.

FEATURES

- Highest Capacity That Meets ASSE 1070
- Superior Thermostatic Element Technology for Optimum Reliability, Dependability and Accuracy
- Integral Strainers and Check Valves Provide Protection Against Cross-Flow and Foreign Particles
- Thermostat Over-Temperature Protection
- Tamper Resistant Locking Cap Feature
- Maximum Temperature Setting Adjustment
- Meets the Requirements of the EPA Safe Drinking Water Act
- Instantaneous Cold or Hot Water Supply Failure Shut-Off Protection
- Multiple Connection Options to Fit Your Specific Needs
- Lead Free Construction Certified: 0.25% Lead max
- **Made in USA - ARRA Compliant**

APPROVALS

- ASSE 1017 - Temperature Actuated Mixing Valve for Hot Water Distribution Systems
- ASSE 1070 - Water Temperature Limiting Device
- CSA B125.3 - Plumbing Supply Fittings
- NSF/ANSI 372 - Lead Free
- NSF/ANSI 61 - Water Quality

STANDARD MATERIALS LIST

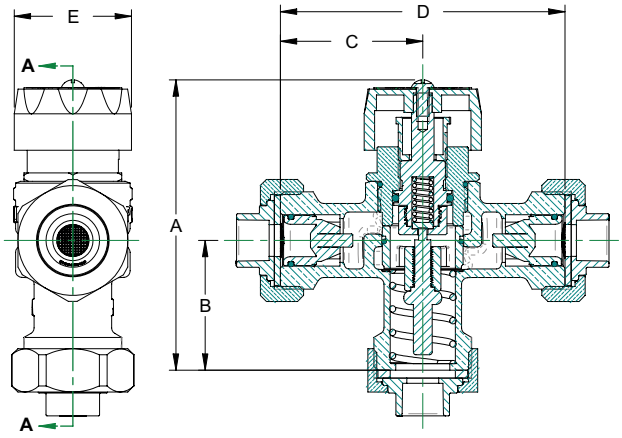
BODY	C89836 Lead Free Bronze
SHUTTLE	Noryl® Modified PPO (Polyphenylene Oxide)
SENSOR	Copper/Wax Filled
O-RING	Chloramine Resistant EPDM
SPRING	ASTM A313 Stainless Steel
CAP	ABS (Acrylonitrile Butadiene Styrene)

DIMENSIONS

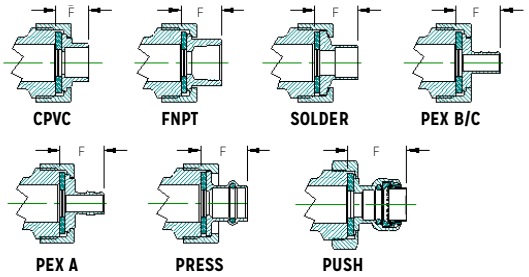
SERIES NO.	CONNECTION	SIZE (IN.)	DIMENSIONS (IN.)						UNIT
			A	B	C	D	E	F	WT. (LB.)
34ALF213T	Thread - FNPT	1/2	3.73	2.11	2.28	4.56	1.87	0.95	2.75
34ALF213S	Solder		3.73	2.11	2.28	4.56	1.87	0.93	2.54
34ALF213C	CPVC		3.73	2.11	2.28	4.56	1.87	0.70	2.39
34ALF213X2	PEX A		3.73	2.11	2.28	4.56	1.87	1.20	2.54
34ALF213X	PEX B/C		3.73	2.11	2.28	4.56	1.87	1.02	2.54
34ALF213PR	Press		3.73	2.11	2.28	4.56	1.87	0.99	2.60
34ALF213P	Push		3.73	2.11	2.28	4.56	1.87	1.23	2.94
34ALF214T	Thread - FNPT	3/4	3.73	2.11	2.28	4.56	1.87	0.93	2.84
34ALF214S	Solder		3.73	2.11	2.28	4.56	1.87	0.93	2.60
34ALF214C	CPVC		3.73	2.11	2.28	4.56	1.87	0.92	2.42
34ALF214X2	PEX A		3.73	2.11	2.28	4.56	1.87	1.20	2.60
34ALF214X	PEX B/C		3.73	2.11	2.28	4.56	1.87	1.25	2.60
34ALF214PR	Press		3.73	2.11	2.28	4.56	1.87	1.14	2.65
34ALF214P	Push		3.73	2.11	2.28	4.56	1.87	1.78	3.08
34ALF215T	Thread - FNPT	1	3.73	2.11	2.28	4.56	1.87	1.06	2.93
34ALF215S	Solder		3.73	2.11	2.28	4.56	1.87	1.06	2.66
34ALF215C	CPVC		3.73	2.11	2.28	4.56	1.87	1.16	2.45
34ALF215X2	PEX A		3.73	2.11	2.28	4.56	1.87	1.17	2.66
34ALF215X	PEX B/C		3.73	2.11	2.28	4.56	1.87	1.55	2.66
34ALF215PR	Press		3.73	2.11	2.28	4.56	1.87	1.18	2.71
34ALF215P	Push		3.73	2.11	2.28	4.56	1.87	1.96	3.29

** PEX A (ASTM F1960) Cold Expansion PEX*

*** PEX B/C (ASTM F1807) Crimp PEX*



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. 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 **apolloflowcontrols.com** for the most current information.*

AALBERTS INDUSTRIES

34BLF Series

Mixing Valve

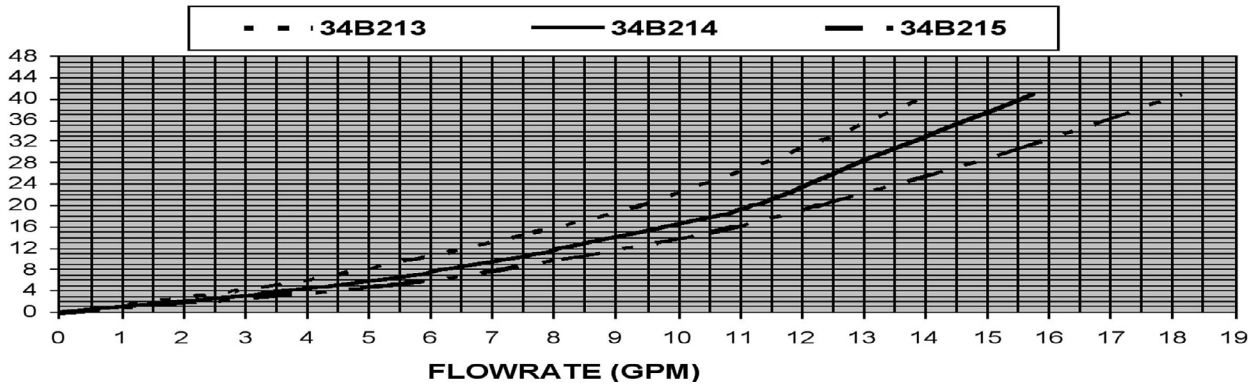
LEAD FREE

SUBMITTAL SHEET

"Apollo"® Flow Controls

PERFORMANCE RATING

- Maximum Supply Pressure: 150 psig (1034 kPA)
- Maximum Working Temperature: 200°F (83°C)
- Cold Water Inlet Temperature Range: 39° - 80°F
- Hot Water Inlet Temperature Range: 120° - 180°F (49° - 82°C)
- Mixed Water Temperature Range: 80° - 120°F (27° - 49°C)
- Mixed Water Temperature Tolerance: ± 7°F
- Minimum Flow Rate: 1.5 gpm (5.7 lpm)
- Maximum Pressure Differential Between H/C: 25%
- Minimum Inlet/Outlet Temperature Differential: 15°F



SIZE (IN.)	CONNECTION	MODEL NO.	ORDER NO.
1/2"	Solder inlets x Solder outlet	MVBS12-LF	34BLF213S
	FNPT inlets x FNPT outlet	MVB12-LF	34BLF213T
	CPVC inlets x CPVC outlet	MVBC12-LF	34BLF213C
	PEX A inlets x PEX A outlet	MVBX212-LF	34BLF213X2
	PEX B/C inlets x PEX B/C outlet	MVBX12-LF	34BLF213X
	Solder inlets x CPVC outlet	MVBSC12-LF	34BLF213SC
	FNPT inlets x CPVC outlet	MVBTC12-LF	34BLF213TC
	PEX B/C inlets x CPVC outlet	MVBXC12-LF	34BLF213XC
	CPVC inlets x PEX B/C outlet	MVBCX12-LF	34BLF213CX
	PRESS inlets x PRESS outlet	MVBPR12-LF	34BLF213PR
	PUSH inlets x PUSH outlet	MVBP12-LF	34BLF213P
3/4"	Solder inlets x Solder outlet	MVBS34-LF	34BLF214S
	FNPT inlets x FNPT outlet	MVB34-LF	34BLF214T
	CPVC inlets x CPVC outlet	MVBC34-LF	34BLF214C
	PEX A inlets x PEX A outlet	MVBX234-LF	34BLF214X2
	PEX B/C inlets x PEX B/C outlet	MVBX34-LF	34BLF214X
	Solder inlets x CPVC outlet	MVBSC34-LF	34BLF214SC
	FNPT inlets x CPVC outlet	MVBTC34-LF	34BLF214TC
	PEX B/C inlets x CPVC outlet	MVBXC34-LF	34BLF214XC
	CPVC inlets x PEX B/C outlet	MVBCX34-LF	34BLF214CX
	PRESS inlets x PRESS outlet	MVBPR34-LF	34BLF234PR
	PUSH inlets x PUSH outlet	MVBP34-LF	34BLF234P

SIZE (IN.)	CONNECTION	MODEL NO.	ORDER NO.
1"	Solder inlets x Solder outlet	MVBS1-LF	34BLF215S
	FNPT inlets x FNPT outlet	MVB1-LF	34BLF215T
	PEX A inlets x PEX A outlets	MVBX21-LF	34BLF215X2
	PEX B/C inlets x PEX B/C outlets	MVBX1-LF	34BLF215X
	PRESS inlets x PRESS outlet	MVBPR1-LF	34BLF215PR
	PUSH inlets x PUSH outlet	MVBP1-LF	34BLF215P

**** PEX A (ASTM F1960) Cold Expansion PEX***

***** PEX B/C (ASTM F1807) Crimp PEX***