



# MODEL MVA-H

## HYDRONIC MASTER MIXING VALVE

(34A-H SERIES)

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

### DESCRIPTION

The Apollo® MVA-H master mixing valves are designed for hydronic applications. They provide accurate temperature control in hot water heating distribution systems where the service temperatures are outside the scope of ASSE standards. Valves are available with multiple connection options to suit your application.

### FEATURES

- Superior thermostatic element technology for optimum performance, reliability and accuracy
- Dezinification resistant bronze body
- Thermostat over-temperature protection
- Integral stainless steel inlet strainers
- Fingertip temperature control
- Instantaneous cold or hot water supply failure shut-off protection
- Multiple connection options to fit your specific needs
- Made in U.S.A.

### MATERIAL

Body:	ASTM B584 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)



### PERFORMANCE RATING

Maximum working pressure	= 150 psig (1034 kPa)
Maximum working temperature	= 210 °F (99°C)
Cold water inlet temperature range	= 39 – 80°F (4 – 27°C)
Hot water inlet temperature range	= 120 – 200°F (49 – 82 °C)
Minimum Flowrate	= ½ gpm (1.9 lpm)
Mixed water temperature range	= 130 - 180°F (54 - 82°C)
Mixed water temperature tolerance	= ± 5°F (1.7°C)
Cv Rating	= 3.9

### CONFIGURATION

#### Size

½"    ¾"    1"

#### Inlets

Threaded  Solder    CPVC  Pex

#### Outlet

Threaded  Solder    CPVC  Pex

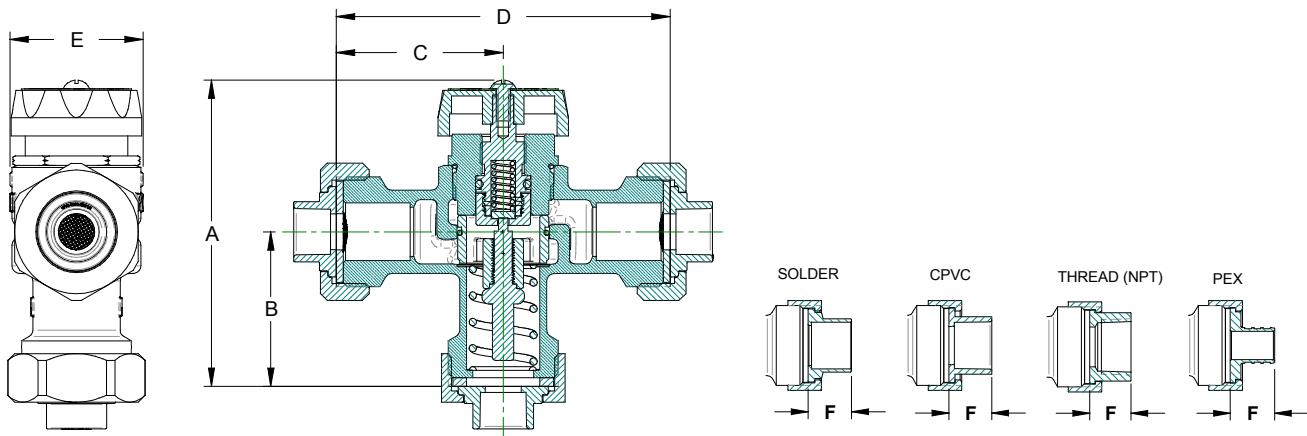
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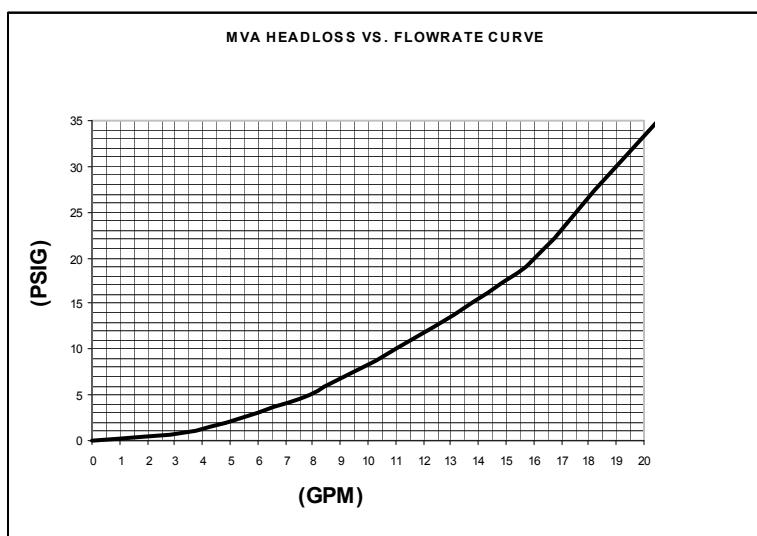
### (34A-H SERIES)

#### DIMENSIONS (Other end connection combinations are available upon request)

Model Number	Part Number	Connection Type	Dimensions (in.)						Unit Wt. (lbs.)
			A	B	C	D	E	F	
MVAH-12	34A213HT	1/2" FNPT	3.73	2.11	2.28	4.56	1.87	0.73	2.75
MVAH-34	34A214HT	3/4" FNPT						0.77	2.84
MVAH-1	34A215HT	1" FNPT					2.12	0.94	2.93
MVAHS-12	34A213HS	1/2" SOLDER	3.73	2.11	2.28	4.56	1.87	0.81	2.54
MVAHS-34	34A214HS	3/4" SOLDER						0.81	2.60
MVAHS-1	34A215HS	1" SOLDER					2.12	0.94	2.66
MVAHC-12	34A213HC	1/2" CPVC	3.73	2.11	2.28	4.56	1.87	0.58	2.39
MVAHC-34	34A214HC	3/4" CPVC						0.80	2.42
MVAHC-1	34A215HC	1" CPVC					2.12	1.09	2.45
MVAHX-12	34A213HX	1/2" PEX	3.73	2.11	2.28	4.56	1.87	0.83	2.54
MVAHX-34	34A214HX	3/4" PEX						0.83	2.60
MVAHX-1	34A215HX	1" PEX					2.12	1.04	2.66



**FLOW CURVE** Flow curve is based on the following: Cold and hot water inlet pressures at 45 psig; cold water supply temperature at 55  $\pm$  5 °F; hot water supply temperature at 160  $\pm$  5 °F, and mixed water temperature at 130  $\pm$  5 °F.



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