

# 'Apollo' Valves

## SUBMITTAL SHEET

### 34C Series

Model MVC  
Thermostatic High Capacity **Mixing Valve**



<b>Job Name:</b>	
<b>Job Location:</b>	
<b>Engineer:</b>	
<b>Contractor:</b>	
<b>Tag:</b>	
<b>PO Number:</b>	
<b>Representative:</b>	
<b>Wholesale Distributor:</b>	



### DESCRIPTION

The Apollo® Model MVC (34C Series) are ASSE 1017 approved thermostatic mixing valves designed for high capacity commercial and institutional "point of source" applications. Featuring ease of maintenance and "Best in Class" flow rates, they provide reliable temperature control for large hot water distribution and hydronic heating systems. Patent # US 6,328,219.

### FEATURES

- Temp range 90°F-140°F (130° - 180°F optional)
- Sizes ¾", 1", 1-¼", 1-½", 2" FNPT
- Patented "finger grip" pads for easy inline shuttle maintenance.
- **Made in USA – ARRA Compliant**

### PERFORMANCE RATING

- Minimum Flow Rate: 1.0 GPM \*
  - Maximum Pressure: 150 psig
  - Maximum Temperature: 200°F
- \* - when the valve is installed at or near hot water source w/ recirculated tempered water with a continuously operating pump.

### OPTIONS & SIZES

- Temperature Range:  
90-140°F (01)  
130-180°F (H1)

### APPROVALS

- ASSE 1017 - Temperature Actuated Mixing Valves for Hot Water Distribution Systems"



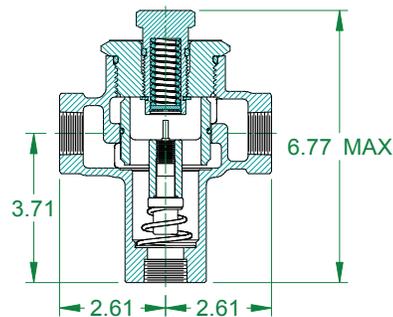
### STANDARD MATERIALS LIST

Part Name	Material
Body	Bronze ASTM B584 C84400
Thermostat	Copper / Wax Filled
Shuttle Cartridge	Glass filled Noryl
Stem	Brass ASTM B16 C36000
Retainer	Brass ASTM B16 C36000
Spring	Stainless Steel

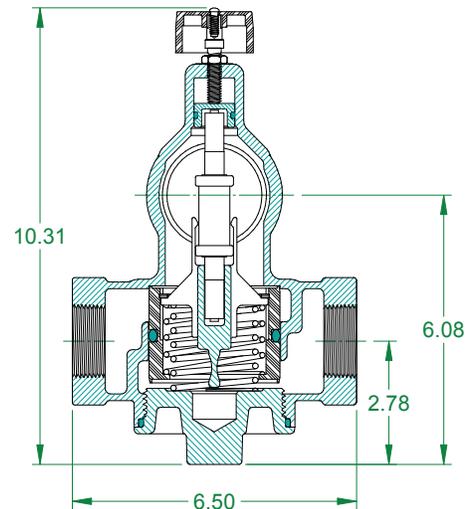
**Not intended for potable water.**

Model Number	Part Number	Size (in.)
MVC-34	34C-104-01	¾" FNPT
MVC-1	34C-105-01	1" FNPT
MVC-114	34C-106-01	1-¼" FNPT
MVC-112	34C-107-01	1-½" FNPT
MVC-2	34C-108-01	2" FNPT

### DIMENSIONS



**3/4" and 1"**



**1-1/4" and 2"**

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**  
701 Matthews Mint-Hill Road, Matthews, NC 28105 USA  
[www.apollovalves.com](http://www.apollovalves.com) | (704) 841-6000

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 our website @ [www.apollovalves.com](http://www.apollovalves.com) for the most current information.



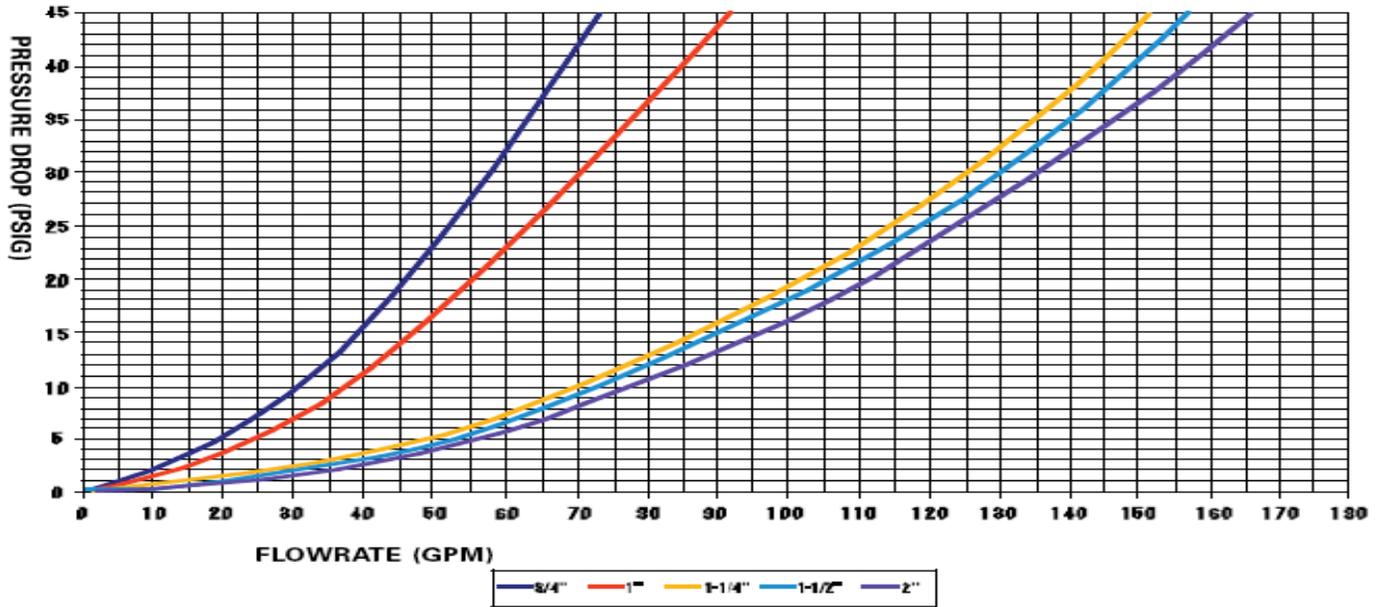
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### FLOW CHART



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