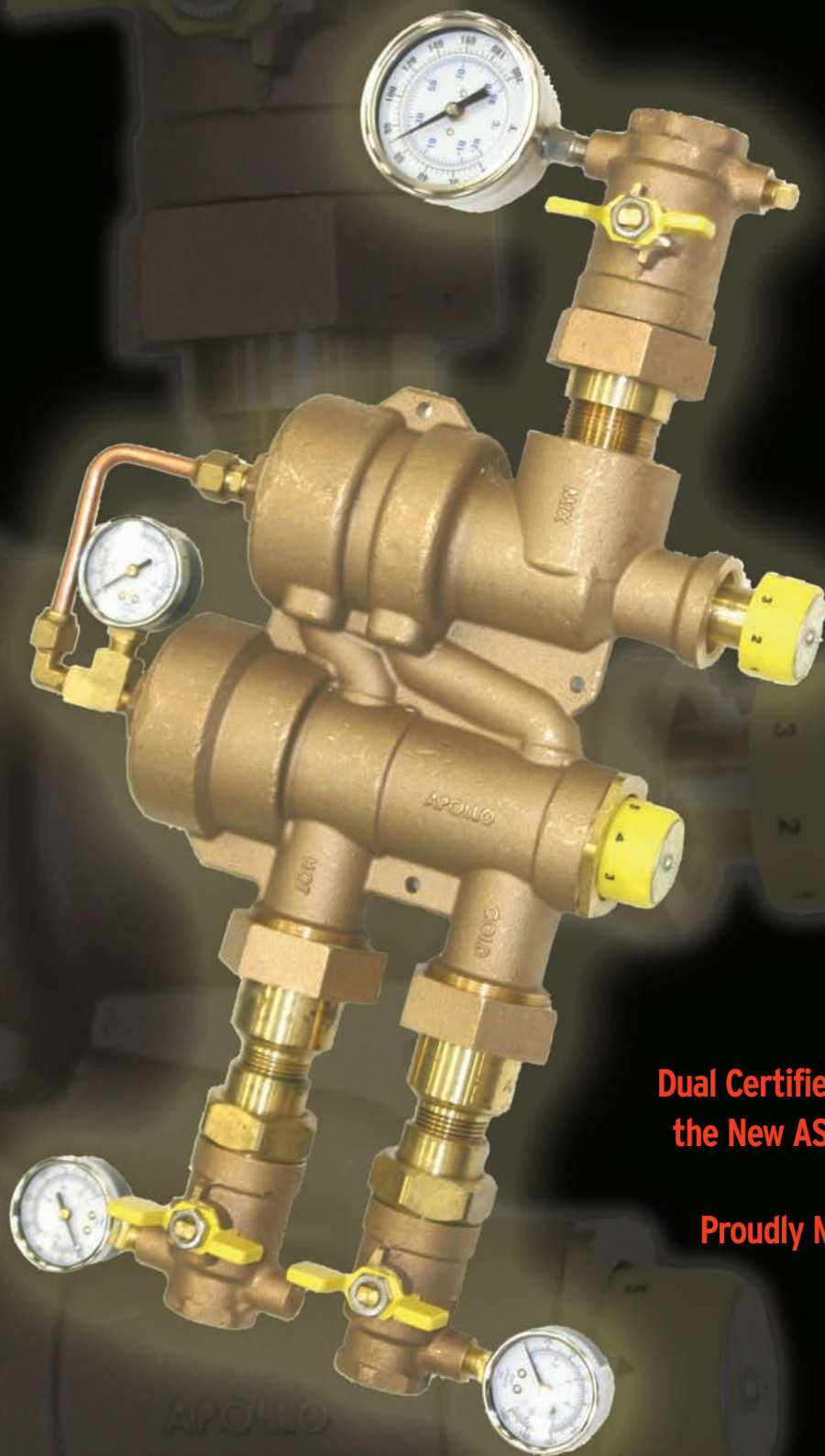


**MADE IN THE USA**

# "Apollo" Valves



**Dual Certified to ASSE 1017 and  
the New ASSE 1069 Standard**

**Proudly Made In The USA**

**AUTOMATIC TEMPERATURE CONTROLLER (ATC)  
ONE VALVE FOR HIGH AND LOW FLOW**

**NEW FROM APOLLO®****...THE FIRST MULTIPLE-FIXTURE MIXING VALVE****MULTIPLE-FIXTURE MIXING VALVE**

Only Apollo® offers fast delivery on the first water temperature mixing assembly to meet the strict performance levels required by the new ASSE 1069 Standard.

The new 34HL Automatic Temperature Control Mixing Valve uses proven Apollo thermostatic control to produce a consistent mix of water during low flow conditions as well as high flow conditions.

This single assembly controls mixed water temperatures to multiple-outlet shower and sink installations. It's the ideal choice in new construction or retrofits in nursing homes, prisons, hospitals, schools, gymnasiums, airports and other facilities where constant safe water temperature needs to be maintained at several outlets without the use of independent ASSE 1016 shower valves or other downstream control.

**Description**

The Apollo® 34HL Automatic Temperature Controller (ATC) is an advanced Thermostatic Mixing Valve capable of maintaining safe, consistent temperature control of water at low and high flows.

The 34HL will provide consistent temperature control at flow rates as high as 60 GPM and as low as 1.5 GPM, including mid-range flow between high and low. This high quality Apollo valve performs its function without requiring recirculation pumps like other systems in order to achieve low flow control.

Integral strainers and checks are provided at the hot and cold supply inlets for greater reliability and performance. These cast bronze thermostatic mixing valves are manufactured to the same exacting standards that have made the Apollo name famous for durability and reliability.

**Application**

This device will service end use fixture fittings, including but not limited to, gang showers and sitz baths, by supplying tempered water at a preset temperature through a single supply pipe and will meet ASSE standard 1069 2005. ASSE 1069 devices are designed to reduce the risk of scalding and thermal shock during changes in hot or cold water supply pressure or temperature, or loss of cold water supply.

**Features**

- The 34HL design is patented with a variable fluid flow assembly and dual thermal actuated controls for either low or high flow conditions.
- The passages are calibrated to control water temperature during all flow conditions without a "dead zone" between low and high flow.
- The 34HL also provides fluid shutoff as required by ASSE 1069 in the case that either the hot or cold supply lines fail (or are shut off for any reason) to prevent scalding.
- The valve can be tamper-resistant to limit the water temperature from exceeding safe conditions as required by ASSE 1069.
- The valve also meets the requirements of ASSE 1017 for Point of Source Applications.

**Product Specifications**

Maximum Static Pressure	150 psig (1034 kpa)
Maximum Water Temperature	200° F (93° C)
Minimum Flow	0.5 gpm (1.9 lpm)
Minimum ASSE 1069 Flow	1.5 gpm (5.7 lpm)
Temperature Adjustment Range	90° F - 140° F
Maximum Inlet Pressure Differential	30 psi (207kpa)
Inlet Connection	1" NPT
Outlet Connection	1-1/4" NPT
Temperature Gauge (1)	0-200°F
Pressure Gauge (3)	0-160 psi
Shipping Weight	36 lbs

# E THAT MEETS NEW ASSE 1069 STANDARD

**United States Patent  
US 6,929,188 B2**

## Flow Capacity

Model	Min. Flow to ASSE 1069	Pressure Drop Across Valve			
		10 psi (69 kpa)	20 psi (138 kpa)	30 psi (207 kpa)	45 psi (310 kpa)
34HL10501	1.5 gpm	22 gpm	42 gpm	52 gpm	60 gpm
	6 lpm	83 lpm	159 lpm	197 lpm	227 lpm

\* Custom cabinet options available. Contact the factory for details.

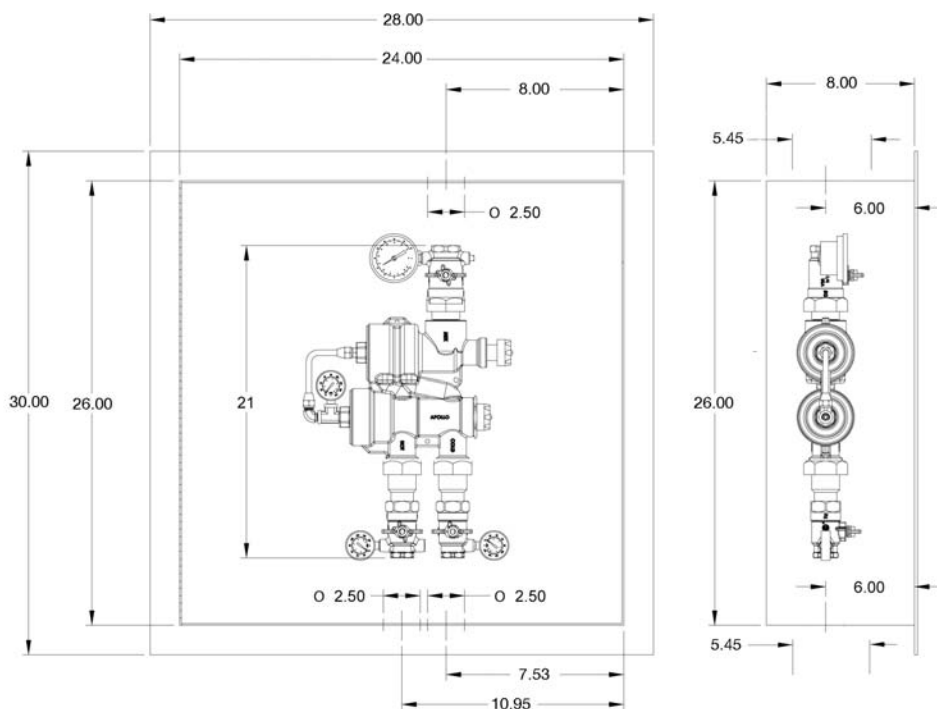


Figure 1: Typical Valve Dimensions with Stainless Steel Recessed Cabinet Option

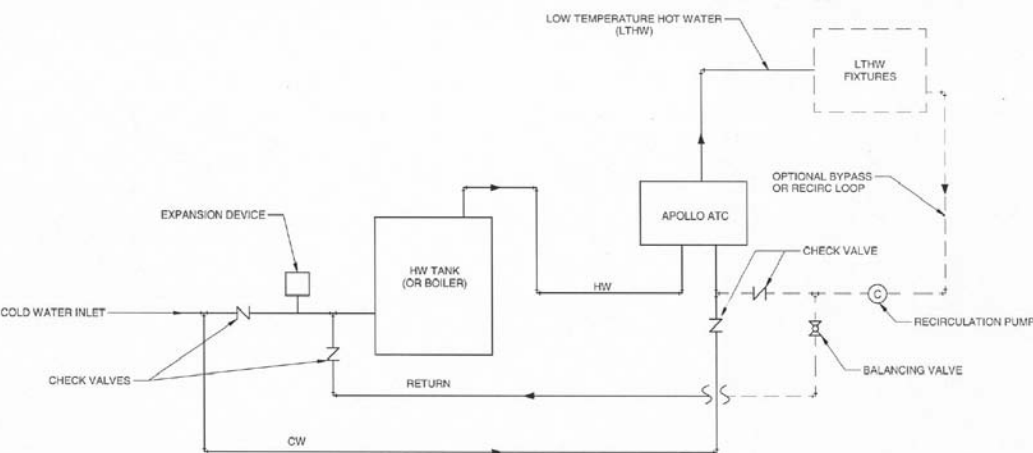


Figure 2: Typical Installation With Optional Recirculation Loop



## Standard Approvals

**ASSE 1069** - Automatic Temperature Control Mixing Valves

This device will control outlet set water temperature to individual or multiple fixtures within 3°F to reduce the risk of scalding or thermal shock. This device is intended to be installed where the bather has no access to the temperature adjustment, and where no further mixing occurs downstream of the device.

The Apollo 34HL ATC will meet the performance requirements of ASSE 1069 at flow as low as 1.5 GPM up through maximum flow rate.

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

This device will control outlet set water temperature to hot water distribution systems near the hot water source within 3°F below 2 GPM and within 5°F above 5 GPM.

## MULTIPLE-FIXTURE MIXING VALVE

Other Apollo® Literature  
for Your Specification  
Library



Commercial Products Catalog



Mixing Valve Catalog

### WARRANTY AND LIMITATIONS OF LIABILITY

Conbraco Industries, Inc. warrants, to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of one year from the date of delivery to you, our initial purchaser.

Should any failure to conform to this warranty appear within one year after the date of the initial delivery to our initial purchaser, Conbraco will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Conbraco's recommendations and standard industry practice, correct such defects by suitable repair or replacement at Conbraco's own expense.

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