

# ALL PRODUCTS CATALOG

## Thermostatic Mixing Valves

### 34C SERIES – MODEL MVC



Commercial High-Capacity Mixing Valves. 34C Series ASSE 1017 listed, high-capacity mixing valves are thermostatically controlled regulating valves designed for use in large commercial potable and non-potable hot water systems. Simple adjustment of water temperature from 90°-140°F or 130°-180°F.

### 34D/34DLF SERIES – MODEL MVD



"Point of Use" Mini-Mixer Thermostatic Valves. 34D ASSE 1070 certified mixing valves are designed to throttle both the hot and cold water inlet supplies to compensate for temperature and pressure fluctuations. The mixed water temperature range is 85°-120°F and will hold a desired temperature within  $\pm 2^\circ\text{F}$ . The 34D has built in check valves, thermal actuator protection and an adjustable temperature limit stop to prevent the valve from exceeding 120°. Available with cold water by-pass option.

### 34E/34ELF SERIES – MODEL MVE



Apollo 34E emergency mixing valves are designed to control the cold and hot water temperature to deliver tepid water at a predetermined temperature to emergency eyewash/face wash fixtures. The 34E provides precise temperature and flow control in the event of cold water, hot water, and thermostatic element failures. Made in the USA. ASSE 1071 listed and meets ANSI/ISEA Z358.1.

### 34HL SERIES – MODEL MVHL



Multiple-Fixture Hi-Lo Mixing Valve. Fully ASSE 1069 and 1017 compliant, the 34HL Series protects against scalding and thermal shock by providing  $\pm 5^\circ$  output temperature control for multiple fixtures in commercial and institutional settings. Patented design eliminates "dead-zones." Made in USA.

### 34-200 SERIES – MODEL TV



Apollo 34-200 economy thermostatic mixing valve provides non-ASSE extension of water heater capacity and hot water temperature control in hydronic heating systems. Available in low or high temperature options for floor or baseboard applications. Made in the USA. Solder sizes 1/2" and 3/4".

## Vacuum Relief Valve

### 37 SERIES – MODEL VR



Brass or bronze vacuum relief valves. Max temperature: 250°F, max. water pressure: 200 psig. CSA certified. Sizes 1/2" and 3/4".

## Safety & Relief Valves

### 10-100,200,300,400 SERIES – MODEL RVW10



Brass/bronze safety relief valves protect ASME Section IV hot water heating boilers and hydronic heating systems. High-capacity design features corrosion resistant construction. Brass, satin or polished chrome finishes available. Set pressures 20-80 psig @250°F. Sizes 3/4" male and female inlet connections.

### 10-512,10-322 SERIES – MODEL RVS



Compact ASME Section VIII steam service safety valves feature stainless steel springs and elastomer soft seating for dependable operation. Standard equipment on steam sterilizers, cookers and kettles. Brass, satin or polished chrome finishes. 1/2" model available with stainless steel wetted trim. Set pressures to 60 psig @ 312°F. Sizes 1/2" and 3/4".

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## Safety & Relief Valves

### 10-600 SERIES – MODEL RVW60



Heavy-duty bronze safety relief valves protect ASME Section IV hot water heating boilers and hydronic heating systems. High-capacity design features corrosion-resistant construction, isolating diaphragm and elastomer soft seats. Set pressures 15 to 160 psig @ 250°F. Available with standard or expanded outlet, sizes 3/4" -2".

### 12 SERIES – MODEL RVS12



Medium capacity safety valves protect ASME Section IV low pressure steam heating boilers. Cast bronze, full nozzle design features PTFE faced elastomer soft seating for dependable operation. Set pressures 5 to 15 psig @ 250°F. Sizes 2", 2-1/2" and 3". ASME Section IV certified. 15 psi only.

### 14-200 SERIES – MODEL RVS14



High-capacity safety valves for ASME Section IV low pressure steam heating boilers. One piece cast bronze body features top guided design, chrome-plated seat and PTFE-faced soft seat. Optional test gag available permits hydrostatic testing. Set pressures 5 to 15 psig @ 250°F. Sizes 2", 2-1/2" and 3". ASME Section IV certified. 15 psi only.

### 14-400 SERIES – MODEL RVA14



High volume air relief valves designed for low pressure non-code air and gas service. Rugged bronze construction features elastomer soft seating and Teflon coated discs for dependable operation. Used to protect low pressure compressors and tanks, high-volume blowers, and pneumatic conveying systems. Pressure settings from 4 to 22 psig @ 400°F. Sizes 2", 2-1/2" and 3".

### 14-600 SERIES – MODEL RVV14



High-volume vacuum relief valves feature one piece cast bronze bodies, Teflon coated discs and elastomer soft seating to provide accurate and dependable operation. Relief settings from 8 to 30" Hg @ 400°F. Sizes 2", 2-1/2", and 3".

### 15 SERIES – MODEL RVA15



OEM style brass barstock safety valves for air and gas service. ASME Section VIII certified. Used to protect air compressors, receivers, and instrument air systems. Stainless steel springs and viton soft seating provide superior seat tightness and vibration resistance. Set pressures to 250 psig @ 325°F. Sizes 1/4", 3/8", 1/2", 3/4" and 1".

### 16 SERIES – MODEL RVW16



Economical relief valves for general purpose non-code overpressure protection and bypass relief applications. Applications include liquid bypass or thermal expansion relief of well pumps, tanks, fire protection systems and all types of water or liquid piping systems. Bronze bodies, stainless steel springs and soft seating. Standard pressure settings from 50-175 psi. Sizes 1/2" and 3/4".

### 16-501 SERIES – MODEL RVW16



Adjustable relief valves protect equipment by providing low volume liquid relief or bypass control. Excess volume may be discharged back to the low pressure source. Ideal for agricultural sprayers and simple commercial or industrial pressurized systems. Adjustable 50-250 psi or 250-600 psi. Size 1/2". Seats: Nitrile or PTFE.

### 16-503,504 SERIES – MODEL RVW16



Calibrated pressure relief valve allows for in-line pressure adjustments without the need for pressure gauge. Provides static overpressure protection for liquid filled systems such as well pumps, tanks, and fire protection systems. Preset at 100 psig. Adjustable in 25 psig increments from 50 to 175 psig. Bronze body, inlet sizes 1/2"-3/4". Outlet size: 1/2".

### 17 SERIES – MODEL RVW17



Bronze pressure-only relief valves protect plumbing systems, storage tanks and tankless coil water heaters from excessive pressure. CSA certified design conforms to HUD/FHA requirements. 3/4" model is ASME Section IV certified from 75-150 psig. Stainless steel springs and elastomer soft seats are standard. Set pressures to 160 psig @ 250°F. Sizes 1/2" and 3/4".

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## Safety & Relief Valves

### 18C-400 SERIES – MODEL TPR



Residential T&P relief valves protect hot water heaters from excessive pressure and temperatures. CSA certified design conforms to HUD/FHA requirements. 3/4" model is ASME Section IV certified at 125 and 150 psig settings. Choice of element lengths. Available with extended body length to suit water heaters with extra thick insulation. Set pressures 125 or 150 psig @ 210°F. Sizes 1/2" and 3/4".



### 18C-500 SERIES – MODEL TPC



High-capacity commercial T&P relief valves protect hot water heaters from excessive pressure and temperatures. CSA certified design conforms to ASME Section IV and ANSI Z21.22 requirements. Corrosion resistant all bronze body, isolating diaphragm and screw-in cage that eliminates rusting steel screws. SS springs and thermostats. Choice of element lengths. Set pressures 125 or 150 psig @ 210°F. Sizes 3/4" through 2".



### 19 SERIES



Bronze high capacity safety valves for steam or air/gas service. ASME Section I and VIII certified. Protects steam boilers, pressure vessels and pressure piping systems. Standard features include stainless steel springs, tapped drain connections and Teflon soft seat for superior performance. Metal to metal seating and stainless steel trim options available. Set pressures to 300 psig @ 422°F. Sizes 1/2" through 2-1/2".

### 29 SERIES



Compact OEM-style bronze safety valves for steam, air/non-hazardous gas service. ASME Section I and VIII certified for use on steam boilers, sterilizers, pressure vessels and cookers. Standard features include stainless steel springs, tapped drain connections and patented Teflon soft seat for superior seat tightness. Optional stainless steel wetted trim. Set pressures to 200 psig @ 406°F. Sizes 3/8" through 1-1/4".

### 119 SERIES



High capacity cast iron flanged safety valves for steam or air/gas service. ASME Section I and VIII certified. Used to protect steam boilers, pressure vessels and pressure piping systems. Rugged top-guided design features flat lapped metal seating and two control rings for repeatable performance and extended service life. Stainless steel wetted trim standard sizes. Sizes 1-1/2" through 6" NPT and flanged. Set pressure to 250 psig.

### 510/520 SERIES



High performance bronze safety relief valves are ASME Section VIII certified for steam, air/gas and liquid service. Rugged top-guided full nozzle design features flat lapped metal seating, self aligning disc insert and a lower control ring for exceptional performance and durability. Available with a choice of brass or stainless steel trim. Wide range of options includes elastomer O-ring or PCTFE soft seating and cryogenic preparation. Set pressures to 1200 psig @ 422°F. Sizes 1/2" through 2".

### 530/540 SERIES



High performance industrial safety relief valves feature carbon steel or all stainless steel construction. ASME Section VIII certified for steam, air/gas and liquid service. Rugged top-guided full nozzle design features flat lapped metal seating, self aligning disc insert and a lower control ring for exceptional performance and durability. Wide range of options include elastomer O-ring, metal to metal, PCTFE and cryogenic preparation (excluding Model 530). Set pressures to 1200 psig @ 800°F. Sizes 1/2" through 2".

### DPE SERIES



Cast iron drip pan elbows connect to the discharge outlet of steam service safety valves to safely direct the steam discharge and condensation away from the valve. Isolates the valve from piping stresses which can adversely affect valve performance. Sizes 3/4" through 8", threaded and flanged connections. Apollo International™