



Hot & Cold Water Hose Stations and Mixing Units

Assembly 3033-FMCD

Model 320 3/4" (20 mm) inlets/outlets Thermostatic Mixing Valve (TMV) of disposable cartridge construction. TMV features unique full range temperature control from full cold to field adjustable maximum temperature limit stop in a single handle turn. TMV can be set and locked to a single temperature and will hold outlet temperatures +/-2°F (1°C) in the event of inlet pressure and/or temperature fluctuation/change.* Thermal shutdown capability protects operator in the event of an inlet supply failure. This model includes integral tandem valve comprising two (2) full port ball valves cross-linked by a stainless steel bridge piece and lever for simultaneous on/off control of BOTH inlet supplies. Includes inlet unions and check valves. Outlet thermometer of stainless steel construction and shatterproof Lexan® lens. Unit is mounted on a heavy-duty stainless steel single-piece hose rack that is suitable for wall or column installation. Supplied with 25' (7.6 m) "Safety Yellow" 500 psi (35 bar)/ 212°F (100°C) rated washdown hose with "live" swivel adaptors. Rubber cushioned 10 gpm (37.8 lpm) rated water saver spray nozzle and nozzle hook supplied as standard.

Unit supplied fully assembled and pressure tested with strain relief and 3/4" (20 mm) coupling for hose attachment.

Model 3033-FMCD is installed in a Type-304 stainless steel, two-door cabinet with a 2" (50 mm) flange, and it is designed for recessed installation. The cabinet doors have a recessed "toggle" handle. All exposed surfaces have a #4 brushed finish. The bottom of the cabinet is crosscut to drain any water accidentally discharged within the cabinet.

For a fully detailed approval drawing, refer to D623410 (3033-25-FMCD) or D660840 (3033-50-FMCD)

* **IMPORTANT NOTE:** This TMV has field adjustable temperature limit stops, can be locked at a single temperature, and is capable of blending within 5°F (2°C) of the inlet supply temperatures. No other valve in the industry can match these performance specifications.

Assembly 3033S-FMCD

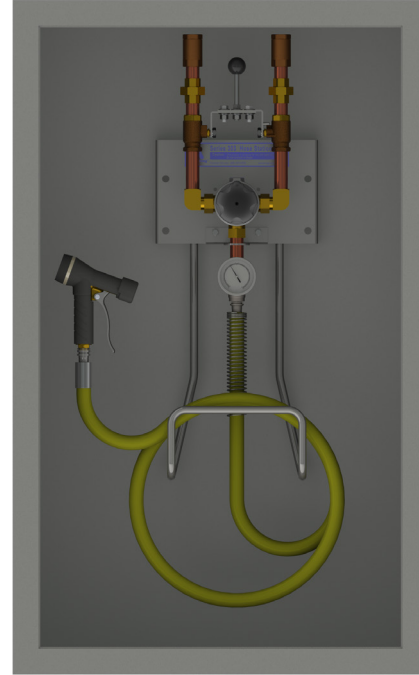
As above with stainless steel and corrosion-resistant industrial nickel components, stainless steel 6 gpm (23 lpm) Trigger Guard spray nozzle and "Safety Yellow" 500 psi (35 bar)/ 212°F (100°C) rated washdown hose with "anti-kink" external spring guard and "live" swivel adaptors.

For a fully detailed approval drawing, refer to D660834 (3033S-25-FMCD) or D540828 (3033S-50-FMCD)

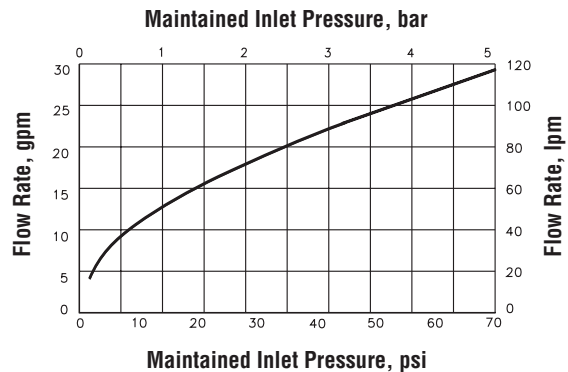
Technical Specifications

- 3/4" (20 mm) NPT inlets and 3/4" (20 mm) NPT outlet
- Model 320: Chrome Plated Lead Free Brass/stainless alloy/polymer construction
- Operating pressures
 - Maximum: 150 psi (10 bar)
 - Minimum: 10 psi (.7 bar)
- Maximum pressure loss ratio: 10 to 1**
- Shipping Weights:
 - 132 lbs (60 kg) with 25 ft hose
 - 141 lbs (64 kg) with 50 ft hose

** Ratio of inlet pressures accounting for restrictions on valve outlet (minus back pressure).



3033-50-FMCD
(Doors removed for clarity)



Flow Rates

The capacity chart indicates the flow rates to be expected at mid-blend (equal proportions of hot and cold water) and with an unrestricted open outlet. Lower flow rates should be anticipated depending upon the length of washdown hose and spray nozzle selected.