



Armstrong® Hot & Cold Water Hose Stations and Mixing Units

Model 3033SSE – Stainless Steel

Model 320 3/4" (20 mm) inlets/outlet(s) 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 +/- 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) ball valves cross-linked by a stainless steel bridge piece and lever for simultaneous on/off control of BOTH inlet supplies. 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 10 m blue 1/2" Foodjet 80 bar/140 °C rated washdown hose. Standard RB65 hose gun supplied as standard.

Unit is supplied fully assembled and pressure tested with 3/4" to 1/2" coupling for hose attachment. Inlet check valves are included.

*** IMPORTANT NOTE:** Other thermostatic products used for this application cannot provide full cold to field adjustable maximum limit stop temperature range or access temperatures within 2 °C of either inlet supply temperature.

**** Triple click spray gun option also available.**

Material Specifications

All components are stainless steel except for the thermostatic mixing valve.

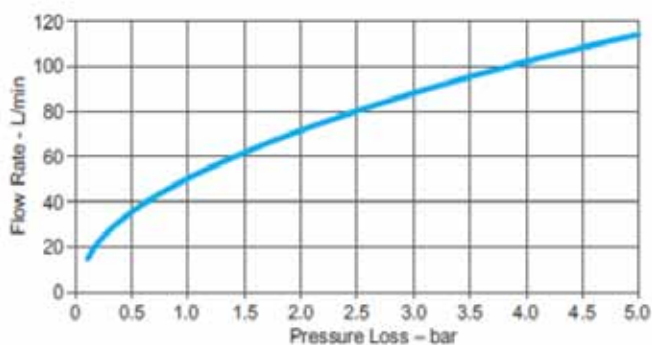
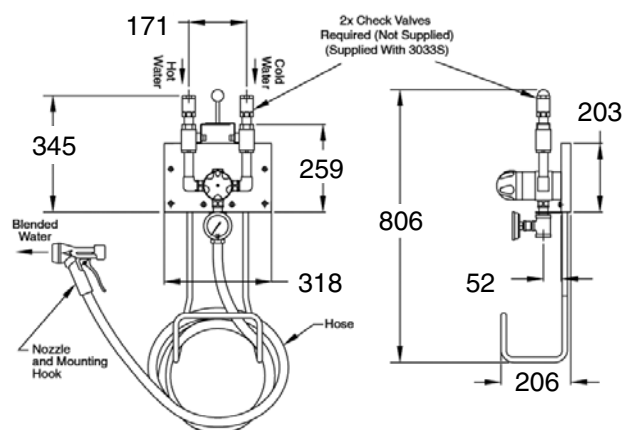
Technical Specifications

- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- DZR brass/stainless alloy/polymer construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 0,7 bar
- Maximum pressure loss ration: 10:1†
- Shipping weight: 28 kg

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

Flow Rates

The capacity charts indicate 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.



All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.



Armstrong® Hot & Cold Water Hose Stations and Mixing Units

Assembly 3031SSE – Stainless Steel

Model 320 3/4" (20 mm) inlets/outlet(s) 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 +/- 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) ball valves cross-linked by a stainless steel bridge piece and lever for simultaneous on/off control of BOTH inlet supplies. Complete assembly is mounted on a heavy-duty stainless steel backplate that is suitable for wall or column installation.

Unit is supplied fully assembled and pressure tested with strain relief and 3/4" (20 mm) coupling for hose attachment. Inlet check valves are required (not supplied).

*** IMPORTANT NOTE:** Other thermostatic products used for this application cannot provide full cold to field adjustable maximum limit stop temperature range or access temperatures within 2 °C of either inlet supply temperature.

Material Specifications

As above with corrosion-resistant industrial nickel-plated components and integral spring-loaded check valves.

Assembly 3032SSE – Stainless Steel

Supplied as 3031SSE mounted on a heavy-duty stainless steel single-piece hose rack that is suitable for wall or column installation and integral spring loaded check valves.

Unit supplied fully assembled and pressure tested with strain relief and 3/4" (20 mm) coupling for hose attachment. Inlet check valves are strongly recommended.

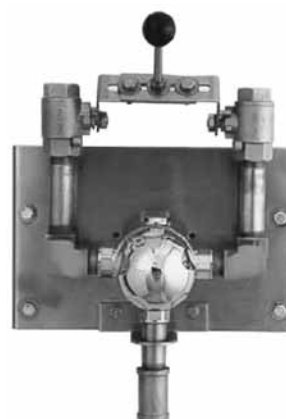
Technical Specifications

- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- DZR brass/stainless alloy/polymer construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 0,7 bar
- Maximum pressure loss ratio: 10:1†
- Shipping weight: 13 kg

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

Flow Rates

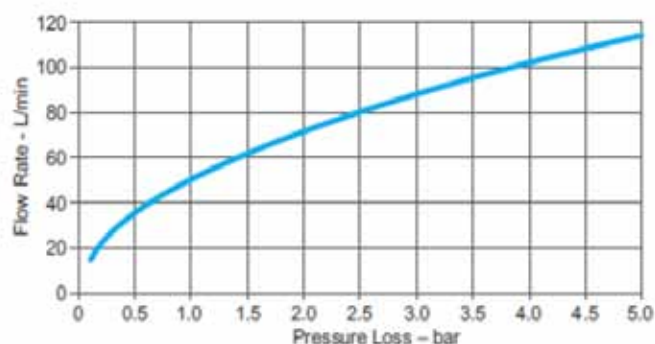
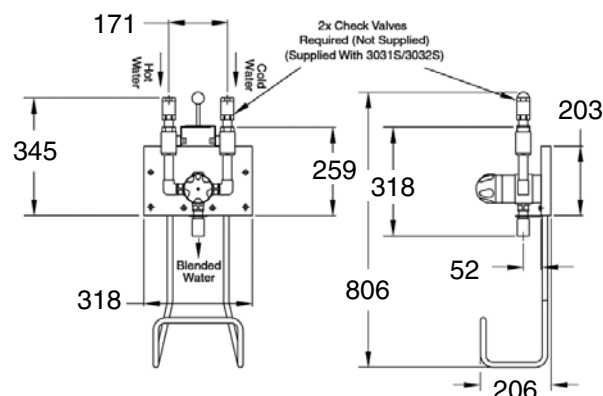
The capacity charts for 3031SSE/3032SSE indicate the flow rates to be expected at mid-blend (equal proportions of hot and cold water) and with an unrestricted open outlet. Lower flow rates should be anticipated depending upon the length of washdown hose and spray nozzle selected.



Assembly 3031SSE



Assembly 3032SSE



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Armstrong® Hot & Cold Water Hose Stations and Mixing Units

Model 3401

Model 3401 features a Model 320 3/4" (20 mm) 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 +/- 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.

Model 3401 is designed for wall-recessed installation and includes combination inlet isolation/strainer/check valves and stainless steel panel-mount thermometer. TMV, pipe work and associated components are secured within a rugged steel mounting frame and concealed behind a 13.25" x 23.25" polished stainless steel "easy service access" cover panel.

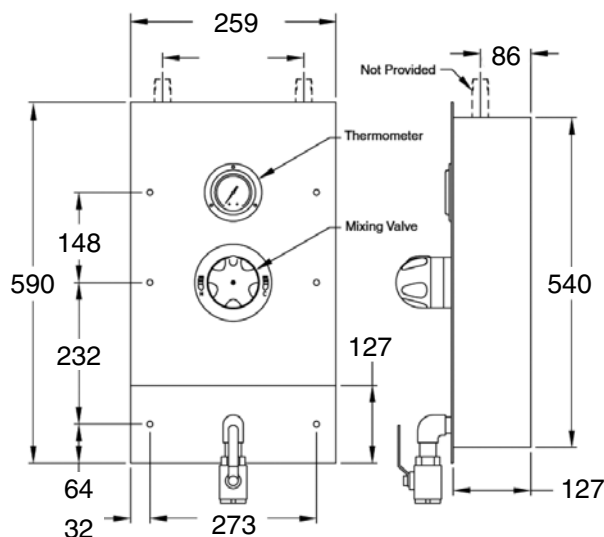
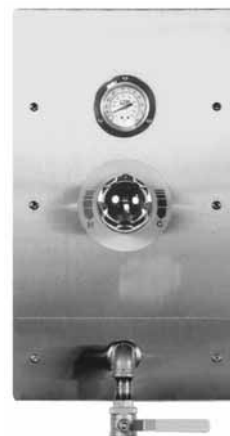
Model 3401 includes an exposed polished chrome temperature-control-handle and stainless steel flow-control ball valve. Ideal for clean rooms, pharmaceutical mixing rooms, research labs or similar locations where temperature-controlled hot water is required, but where surface-mount piping and fixtures are undesirable.

Technical Specifications

- 3/4" (20 mm) inlets/outlets
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 0,7 bar
- Maximum pressure loss ration: 10:1
- Integral check valves
- Integral strainers
- Integral unions
- Panel-mount thermometer
- Maximum temperature stop
- Single temperature lock
- +/- 1°C control

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

*** IMPORTANT NOTE:** Other thermostatic products used for this application cannot provide full cold to field adjustable maximum limit stop temperature range or access temperatures within 2 °C of either inlet supply temperautre.



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Armstrong® Single Temperature Hose Stations

Model 1032 (less hose and spray nozzle)

Stainless Steel (SS) 35 bar rated gull poty 3/4" NPT (20 mm) Ball valve mounted on heavy duty SS Hose Rack with 8" x 12-1/2" (203 x 317 mm) mounting plate with 4 mounting holes.

SS hose strain relief and 3/4" x 4" (20 mm x 101 mm) SS nipple with 3/4" (20 mm) SS couplin at outlet.

Model 1033 (with 25", Thermometer and spray nozzle)

As above (1032) with SS 3" (76 mm) dial dual scale thermometer 10-121 °C, 25" (7,6 mm) Armstrong brand specialty safety yellow abrasion resistant washdown hose complete with 3/4" (20 mm) live male swivel and external spring guard at inlet and 1/2" (20 mm) live male swivel adaptor at outlet.

Custom lengths and a variety of colors are also available.

Model number includes a self closing rubber cushioned Armstrong brand spray nozzle with stainless steel nozzle hook.

Technical Specifications

- Operating pressures:
Maximum: 34 bar
10 bar using Armstrong Spray Nozzle
- Recommended Maximum Operating Temperature
Hose and spray nozzle : 88 °C
- All stainless steel construction

Specify this hose station as follows

Model 1032

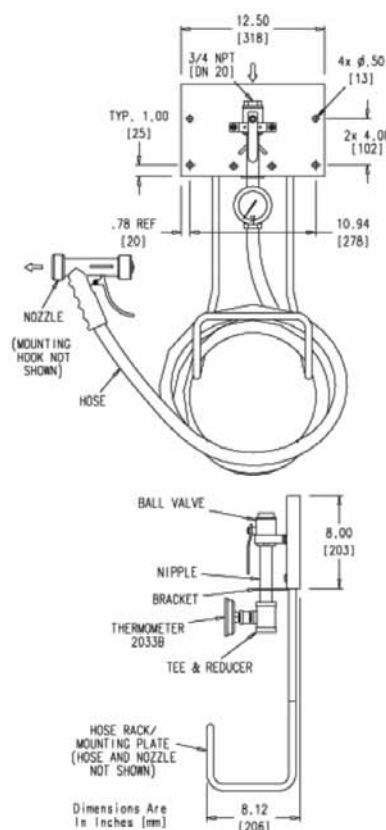
Hose station shall comprise stainless steel (SS) full port 3/4" (20 mm) NPT ball valve mounted on heavy duty SS hose rack with 8" x 12" (203 x 317 mm) mounting plate with four (4) mounting holes. SS hose strain relief and 3/4" x 4" (20 mm x 101 mm) SS nipple with 3/4" (20 mm) SS coupling.

Model 1033

Hose station shall supplied with SS 3" (76 mm) dual scale thermometer at outlet, 25" of Armstrong Brand specilty safety yellow abrasion resistant washdown hose, Armstrong brand self closing, rubber cushioned spray nozzle and stainless steel nozzle hook.

All as Armstrong hose station modle 1032/1033 by Armstrong Hot Water Group of Three Rivers, MI or otherwise approved equal.

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