Model 2030SS—Stainless Steel

STEAMIX® Model 2030SS Steam/Water Mixing Valve of Type 304 stainless steel construction.

STEAMIX® Model 2030SS is supplied with 6 1/2" x 6 1/2" (165 mm x 165 mm) SS backplate.

Safety Features

• Steam 203SS will not pass live steam.

In the event of either a complete failure of the inlet cold-water supply or a reduction in cold-water pressure to below 20 (+/-5) psi (1.4 bar), STEAMIX will respond with a complete shutdown of outlet flow.

• In the event of a structural failure of the primary operating component (diaphragm), STEAMIX will “fail safe” to cold water.

• To prevent over-temperature selection by the user and the potential for overheated water and flash steam presentation common with other types of hose stations, STEAMIX is supplied with a single-temperature locking set.

Technical Specifications

• 3/4” (20 mm) NPT inlets/outlet(s)
• Type 304 stainless steel construction
• Operating pressures
  
  Maximum: 150 psi (10 bar)
  Minimum: 20 psi† (1.4 bar)
• Maximum pressure loss ratio 10:1††
• Inlet check valves required
• Weight: 21 lbs (9.5 kg)

† IMPORTANT NOTE: Lower steam pressures significantly reduce outlet flow rates.

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

Flow Rates

The capacity charts indicate STEAMIX 203 flow rates at steam and water pressures commonly available in the average manufacturing plant. The STEAMIX 203 can handle a wide diversity of pressures and temperatures. Three typical outlet temperatures shown in the flow tables were selected to demonstrate the valve’s flow rate at:

A) “User safe” temperature (approx. 120°F - 48°C)
B) “Hot hose down” temperature (approx. 150/160°F - 65/71°C)
C) “Common bacteria kill” temperature (approx. 180°F - 82°C)

NOTE: All flow rates shown are with open outlet, and a reduction of flow is to be expected depending on the length and diameter of outlet pipework, washdown hose, spray nozzle, etc.

For a fully detailed certified drawing, refer to:
CD #2261