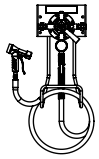
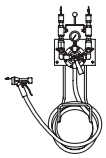
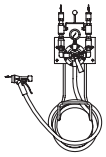
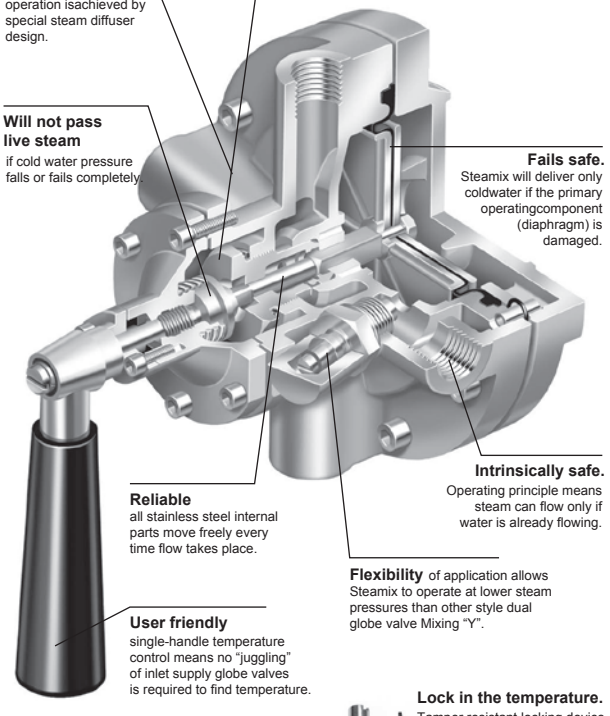
Hose Stations & Washdown Equipment

STEAMIX® Hose Stations and Mixing Units

Illustration	Type	Connections NPT	Body Material	Model	Max. Inlet Press. psig	Check Valves	Flow Controls	Hose Rack	Nozzle and Hose	Strainers
	Steam & Water Mixing Unit	3/4”	Bronze	2030	150					
				2031			●			●
	Steam & Water Hose Station			2032			●	●		●
				2033			●	●	●	●
	Steam & Water Mixing Unit	3/4”	Bronze	2031P	150	●	●			●
	Steam & Water Hose Station			2032P		●	●	●		●
				2033P		●	●	●	●	●
	Steam & Water Mixing Unit	3/4”	304 Stainless Steel	2030SS	150					
				2031SS		●	●			●
	Steam & Water Hose Station			2032SS		●	●	●		●
				2033SS		●	●	●	●	●

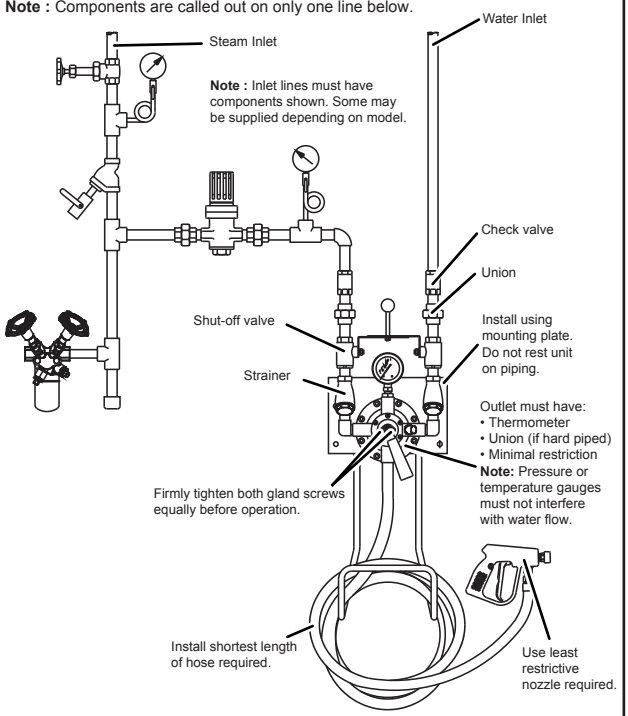
Steamix® - Hose Stations



Typical Installation

⚠ **Caution:** Do not apply excessive torque on supplied fittings. Use two wrenches when assembling.

Note : Components are called out on only one line below.



Note : Code or regulatory requirements may include back-flow preventers (single or double action) or vacuum breakers, which are not listed above.

*last updated 11/15

Model 2033—Premium

STEAMIX 203 Steam/Water Mixing Valve of brass/stainless steel (SS) construction.

STEAMIX® Model 2033P is supplied as standard with integral inlet supply risers comprising 3/4" Y-type strainers and 3/4" ball valves cross-linked by a stainless steel bridge piece and lever for simultaneous on/off control of both inlet supplies. The unit is supplied fully assembled, pressure-tested and installed on a stainless steel hose rack. Stainless Steel dual scale top mount Thermometer and Inlet Check Valves included.

STEAMIX 2033P includes 25 feet of "safety yellow" washdown hose, low-heat-transfer polymer spray nozzle with trigger guard, swivel adapter, and a
stainless steel nozzle hook.

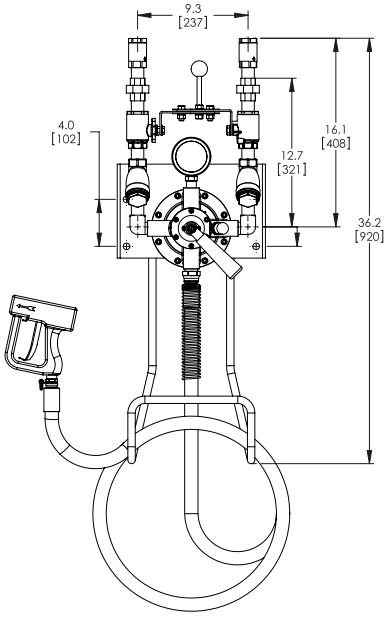
Locking set
(included)

Safety Features

- Steamix 203 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.

- If there is 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)
- Brass/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 included
- Weight: 68 lbs (31 kg) with 25 ft hose
  79 lbs (36 kg) with 50 ft hose

† 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 #2269

A) 55°F (31°C) Temperature Rise					
Steam / Water	**20 (1.4)**	**45 (3)**	**75 (5)**	**100 (7)**	**psi (bar)**
22 psi (1.5 bar)	6.9 (26.1)	10.2 (38.6)	10.2 (38.6)	10.2 (38.6)	gal/min (l/min)
45 psi (3 bar)	6.9 (26.1)	13.2 (49.9)	13.2 (49.9)	13.2 (49.9)	gal/min (l/min)
60 psi (4 bar)	6.9 (26.1)	13.8 (52.2)	15.7 (59.4)	15.7 (59.4)	gal/min (l/min)
B) 100°F (56°C) Temperature Rise					
Steam / Water	**20 (1.4)**	**45 (3)**	**75 (5)**	**100 (7)**	**psi (bar)**
22 psi (1.5 bar)	3.6 (13.6)	6.9 (26.1)	8.3 (31.4)	8.5 (32.1)	gal/min (l/min)
45 psi (3 bar)	3.6 (13.6)	6.9 (26.1)	9.4 (35.5)	9.9 (37.4)	gal/min (l/min)
60 psi (4 bar)	3.6 (13.6)	6.9 (26.1)	9.4 (35.5)	10.5 (39.7)	gal/min (l/min)
C) 135°F (75°C) Temperature Rise					
Steam / Water	**20 (1.4)**	**45 (3)**	**75 (5)**	**100 (7)**	**psi (bar)**
22 psi (1.5 bar)	2.5 (9.4)	5.0 (18.9)	6.6 (24.9)	7.2 (27.2)	gal/min (l/min)
45 psi (3 bar)	2.5 (9.4)	5.0 (18.9)	7.2 (27.2)	8.0 (30.2)	gal/min (l/min)
60 psi (4 bar)	2.5 (9.4)	5.0 (18.9)	7.2 (27.2)	8.0 (30.2)	gal/min (l/min)

*last updated 11/15