

**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					
	Steam & Water Hose Station			2031		•		•		
				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					
	Steam & Water Hose Station			2031SS		•	•			•
				2032SS		•	•	•		•
				2033SS		•	•	•	•	•

### Steamix® - Hose Stations

**Rugged** steam valve seat is made from new high-temperature-resistant polymer.

**Whisper quite** operation is achieved by special steam diffuser design.

**Will not pass live steam** if cold water pressure falls or fails completely.

**Fails safe.** Steamix will deliver only coldwater if the primary operating component (diaphragm) is damaged.

**Intrinsically safe.** Operating principle means steam can flow only if water is already flowing.

**Reliable** all stainless steel internal parts move freely every time flow takes place.

**Flexibility** of application allows Steamix to operate at lower steam pressures than other style dual globe valve Mixing "Y".

**User friendly** single-handle temperature control means no "juggling" of inlet supply globe valves is required to find temperature.

**Lock in the temperature.** Tamper resistant locking device option allows Steamix to be preset to a desired temperature and locked. Discourages adjustments by unauthorized personnel.

**2-year warranty** on mixing unit wetted components.

### 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:** Inlet lines must have components shown. Some may be supplied depending on model.

**Note:** Pressure or temperature gauges must not interfere with water flow.

**Note:** Outlet must have:  
 • Thermometer  
 • Union (if hard piped)  
 • Minimal restriction

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

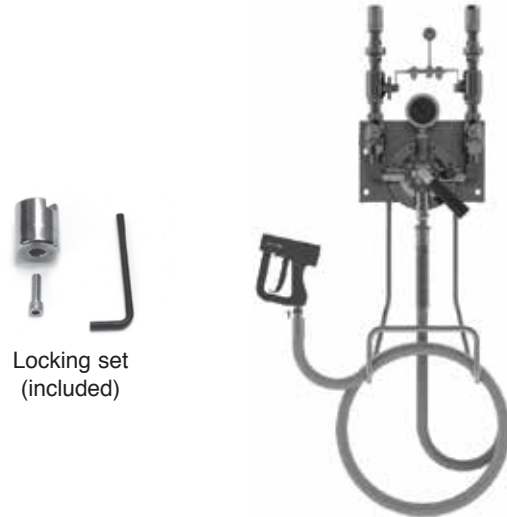
\*last updated 11/15

**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).

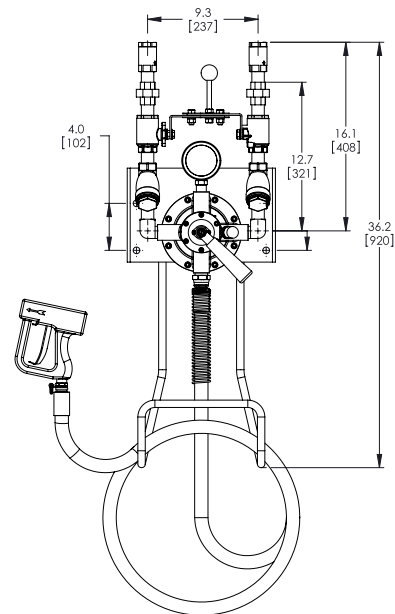
**Flow Rates**

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						
Water \ Steam	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						
Water \ Steam	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						
Water \ Steam	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)	

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