Assembly 2033 – Standard

STEAMIX 2033 comprises a STEAMIX Steam/Water Mixing Valve of brass/stainless steel (SS) construction.

STEAMIX 2033 is supplied as standard with integral inlet supply risers comprising 3/4" Y-Type strainers and 3/4" ball valves cross-linked by a SS bridge piece and lever for simultaneous on/off control of both inlet supplies. Unit is supplied fully assembled and pressure tested, installed on a SS Hose rack.

STEAMIX 2033 also includes SS dual scale outlet thermometer, 7,5 m of "Safety Yellow" washdown hose rated for 28 bar and 88°C, low heat transfer polymer spray nozzle with trigger guard, swivel adapter and SS nozzle hook. Inlet check valves required.

Assembly 2033S – Premium

As above, with corrosion-resistant industrial nickel-plated finish and integral inlet check valves.

Locking Set

Safety

- In the event of either a complete failure of the inlet cold water supply or a reduction in cold water pressure to below 1,3 bar (+/- 0,3 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 can be provided with either a single temperature lock-out or maximum temperature limiting option.

Technical Specifications

- 3/4" NPT inlets and outlet(s)
- Brass and stainless steel construction with double-sided ultra-durable EPDM diaphragm
- Operating pressures for steam and water:
  Maximum: 10 bar
  Minimum: 1,4 bar†
- Inlet check valves strongly recommended; not supplied
- Shipping weight: 29 kg

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

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. 48°C)
B) "Hot hose down" temperature (approx. 65/71°C)
C) "Common bacteria kill" temperature (approx. 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.

††† The phrase "common bacteria kill" is not meant to imply sterilization capability but to indicate the ability of STEAMIX 203 to handle the higher temperatures required in food, beverage, pharmaceutical plants, etc.
This model comply with the article 3.3 of the PED (97/23/EC).

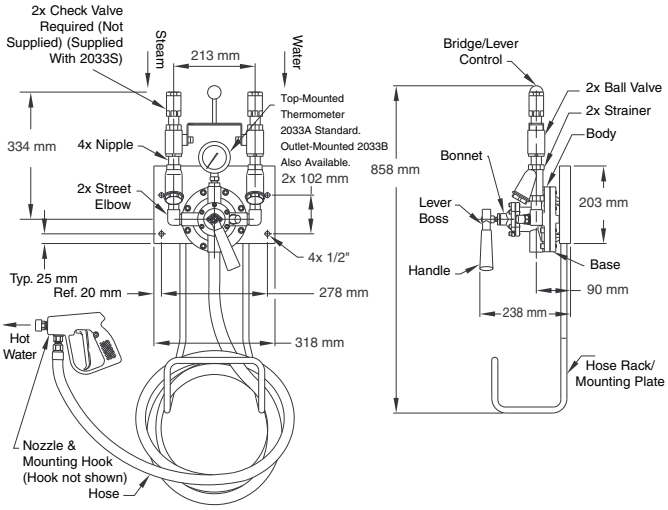

Table WM-329-1.

A) 31°C Temperature Rise					
Steam / Water	1,4	3	5	7	bar
1,5 bar	26,1	38,6	38,6	38,6	l/min
3 bar	26,1	49,9	49,9	49,9	l/min
4 bar	26,1	52,2	59,4	59,4	l/min
A) 56°C Temperature Rise					
Steam / Water	1,4	3	5	7	bar
1,5 bar	13,6	26,1	31,4	32,1	l/min
3 bar	13,6	26,1	35,5	37,4	l/min
4 bar	13,6	26,1	35,5	39,7	l/min
A) 75°C Temperature Rise					
Steam / Water	1,4	3	5	7	bar
1,5 bar	9,4	18,9	24,9	37,2	l/min
3 bar	9,4	18,9	27,2	30,2	l/min
4 bar	9,4	18,9	27,2	30,2	l/min

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