



STEAMIX®

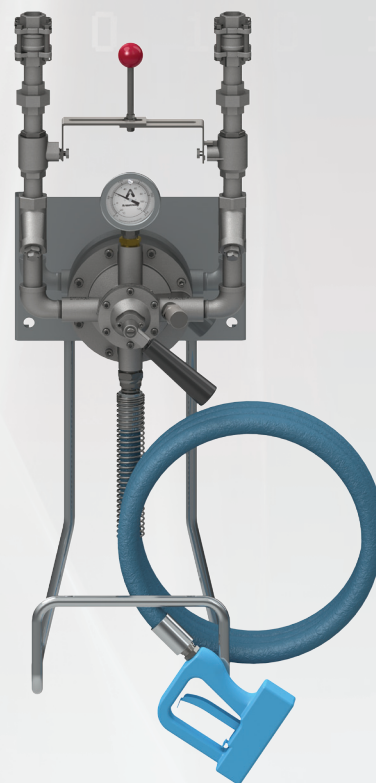
will not pass live steam !

STEAMIX® Hose Stations are designed to improve efficiency and reduce risk when mixing steam and water for wash-down.

The STEAMIX® mixing valve, featured on all STEAMIX® steam and water hose stations by Armstrong, WILL NOT PASS LIVE STEAM in the event of either a significant pressure reduction or complete failure of the cold water supply.

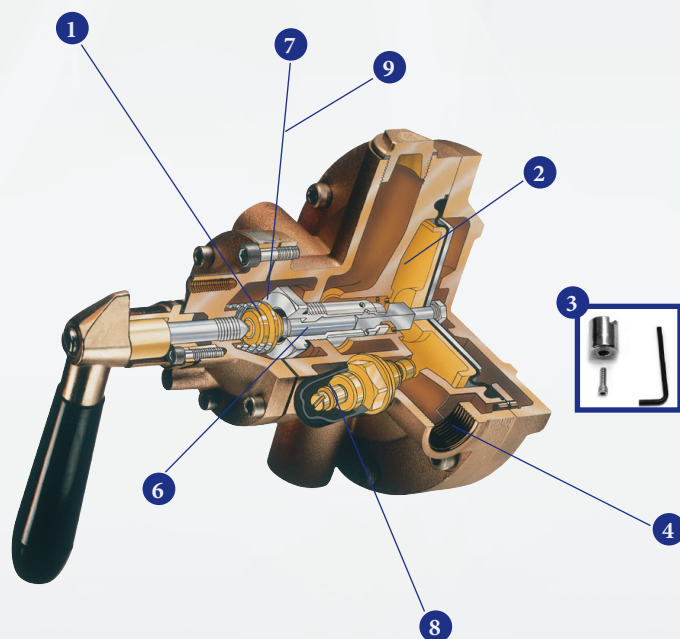
STEAMIX® is designed to improve efficiency and reduce risk when mixing STEAM and WATER for washdown. When your process demands high washdown temperatures, adjusting the mix of Steam and Water becomes much more difficult and dangerous. With many other types of steam water mixer it is only too easy to introduce too much steam—with risky consequences for your personnel.

Not with STEAMIX® ! In fact, we think it's the best washdown station available !



11 Reasons to use STEAMIX®

- 1 **Will not pass live steam** if cold water pressure falls or fails completely.
- 2 **Fails safe** : Steamix will deliver only cold water if the primary operating component (diaphragm) is damaged.
- 3 **Lock in the temperature** : Tamper resistant locking device option allows Steamix to be preset to a desired temperature and locked. Discourages adjustment by unauthorized personnel.
- 4 **Intrinsically safe** operating principle means steam can only flow if water is already flowing.
- 5 **User friendly** single handle temperature control, no “juggling” of inlet supply globe valves required to find temperature.
- 6 **Reliable** all stainless steel internal parts move freely every time flow takes place.
- 7 **Rugged** steam valve seat made from new high-temperature-resistant polymer.
- 8 **Flexibility** of application, operates at lower steam pressures than many other types of steam water mixer.
- 9 **Whisper quiet** operation achieved by special steam diffuser design.
- 10 **2-year warranty** on mixing unit wetted components.
- 11 **Available in stainless steel and bronze**



Armstrong® STEAMIX® Steam & Water Hose Stations & Mixing Units

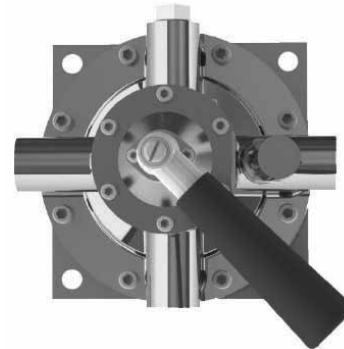
Model 2030 – Standard

STEAMIX 2030 Steam/Water Mixing Valve of brass/stainless steel (SS) construction.

STEAMIX 2030 is supplied with 165 mm x 165 mm SS backplate.

Safety Features

- **STEAMIX® 2031PE 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 1,4 bar, STEAMIX will respond with a 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 often associated 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: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ration: 10:1††
- Inlet check valves required
- Shipping weight: 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).

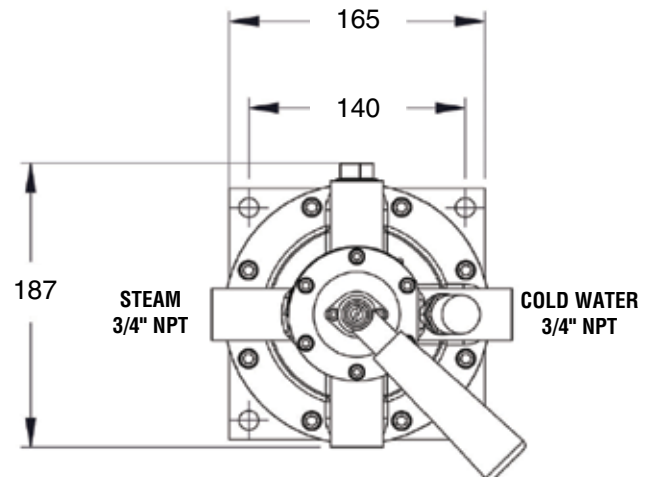
Flow Rates

The capacity charts indicate STEAMIX 2030 flow rates at steam and water pressures commonly available in the average manufacturing plant. The STEAMIX 2030 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.



A) 31°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
B) 56°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
C) 75°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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.

STEAMIX® Steam & Water Hose Stations & Mixing Units

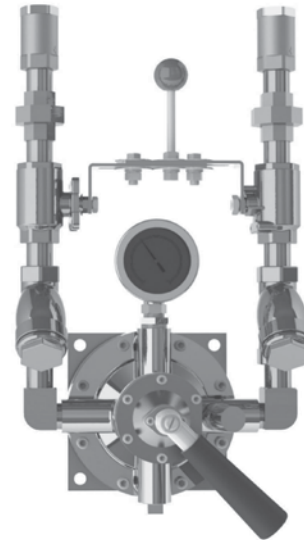
Model 2031PE – Premium

STEAMIX® Model 2031PE Steam/Water Mixing Valve of brass/stainless steel construction.

STEAMIX® Model 2031PE 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 and pressure-tested. Stainless Steel dual scale top mount. Thermometer and Inlet Check Valves Included. Thermometer and Inlet Check Valves Included.



Locking Set



Safety Features

- **STEAMIX® 2031PE 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 1,4 bar, STEAMIX will respond with a 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.

Material Specifications

- All components are stainless steel exception the mixing valve (brass).

Technical Specifications

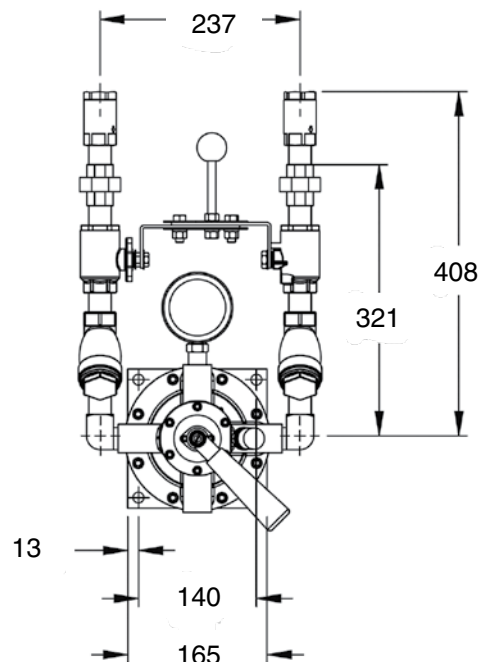
- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Brass/stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ratio: 10:1††
- Inlet check valves required
- Shipping weight: 18 kg

† **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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.



A) 31°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
B) 56°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
C) 75°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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.

STEAMIX® Steam & Water Hose Stations & Mixing Units

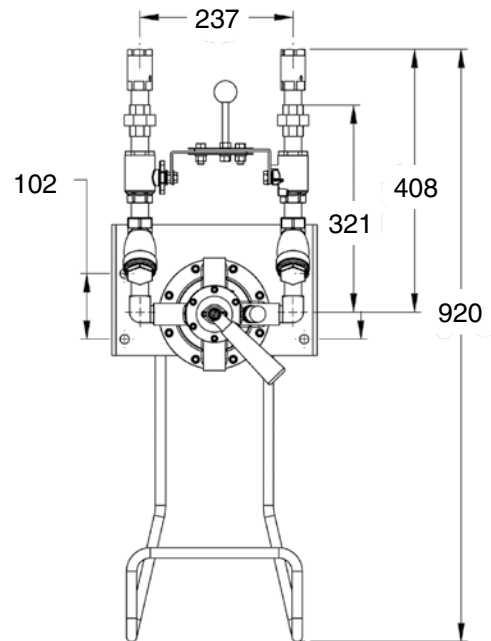
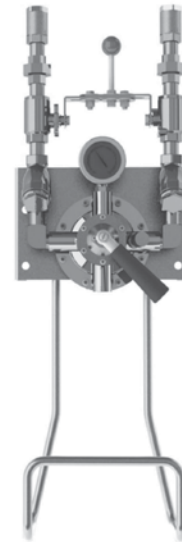
Model 2032PE – Premium

STEAMIX® Model 2032PE Steam/Water Mixing Valve of brass/stainless steel construction.

STEAMIX® Model 2032PE 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 and pressure-tested. Stainless Steel dual scale top mount. Thermometer and Inlet Check Valves Included. Thermometer and Inlet Check Valves Included.



Locking Set



Safety Features

- **STEAMIX® 2032PE 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 1,4 bar, STEAMIX will respond with a 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.

Material Specifications

- All components are stainless steel exception the mixing valve (brass).

Technical Specifications

- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Brass/stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ratio: 10:1††
- Inlet check valves required
- Shipping weight: 18,6 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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.

A) 31°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
B) 56°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
C) 75°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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.

STEAMIX® Steam & Water Hose Stations & Mixing Units

Model 2033PE – Premium

STEAMIX® Model 2033PE Steam/Water Mixing Valve of brass/stainless steel construction.

STEAMIX® Model 2033PE 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.



Locking Set

STEAMIX® Model 2033PE includes 10 meter of "safety blue" washdown hose (can be supplied with 15 or 20 m), low-heat-transfer polymer spray nozzle with trigger guard, swivel adapter, and a stainless steel nozzle hook.

Safety Features

- **STEAMIX® 2033PE 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 1,4 bar, STEAMIX will respond with a 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

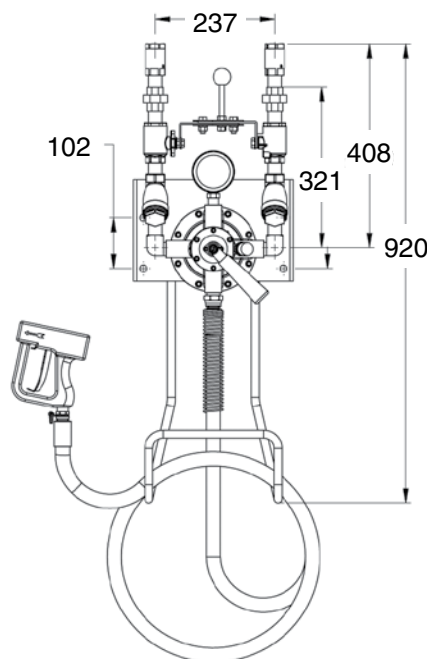
- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Brass/stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ratio: 10:1††
- Inlet check valves required
- Shipping weight: 31 kg with 10 m hose
36 kg with 15 m hose
41 kg with 20 m 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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.



A) 31°C Temperature Rise						
Water	Steam	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
B) 56°C Temperature Rise						
Water	Steam	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
C) 75°C Temperature Rise						
Water	Steam	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

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Armstrong® STEAMIX® Steam & Water Hose Stations & Mixing Units

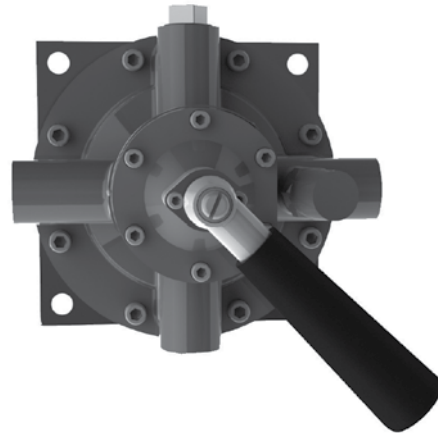
Model 2030SS – Stainless Steel

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

- **STEAMIX® 2030SS 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 1,4 bar, STEAMIX will respond with a 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.

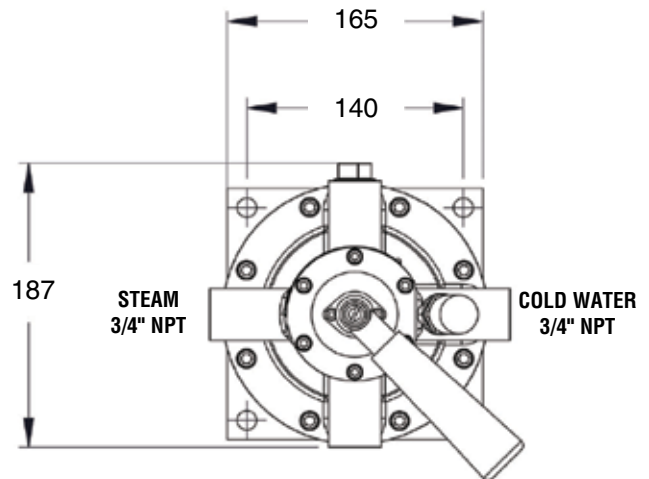


Technical Specifications

- 3/4" (20 mm) NPT inlets/outlets
- Type 304 stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ratio: 10:1††
- Inlet check valves required
- Shipping weight: 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 2030SS flow rates at steam and water pressures commonly available in the average manufacturing plant. The STEAMIX 2030SS 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:

- “User safe” temperature (approx. 48°C)
- “Hot hose down” temperature (approx. 65/71°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.

A) 31°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
B) 56°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
C) 75°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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.

Armstrong® STEAMIX® Steam & Water Hose Stations & Mixing Units

Model 2031SSE – Stainless Steel

STEAMIX® Model 2031SSE Steam/Water Mixing Valve of Type 304 stainless steel construction.

STEAMIX® Model 2031SSE is supplied as standard with all stainless steel (SS) 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 and pressure-tested. Stainless Steel dual scale top mount. Thermometer and Inlet Check Valves Included.



Safety Features

- **STEAMIX® 2031SSE 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 1,4 bar, STEAMIX will respond with a 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

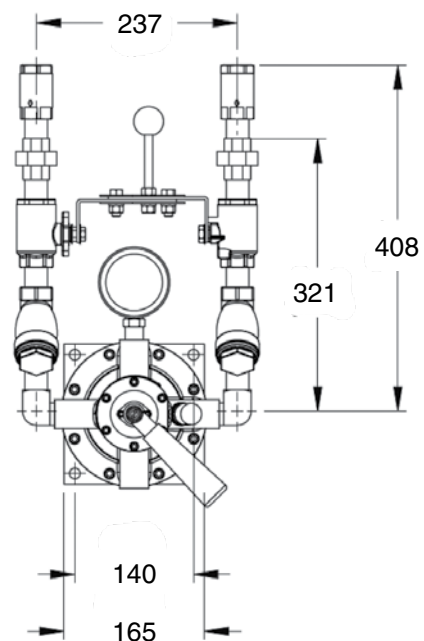
- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Type 304 stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ration: 10:1††
- Inlet check valves included
- Shipping weight: 18 kg

† **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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.



A) 31°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
B) 56°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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
C) 75°C Temperature Rise					
Steam	1,4	3	5	7	bar
Water					
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.

Armstrong® STEAMIX® Steam & Water Hose Stations & Mixing Units

Model 2032SSE – Stainless Steel

STEAMIX® Model 2032SSE Steam/Water Mixing Valve of Type 304 stainless steel construction.

STEAMIX® Model 2032SSE is supplied as standard with all stainless steel (SS) 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 and pressure-tested. Stainless Steel dual scale top mount. Thermometer and Inlet Check Valves Included.

Safety Features

- **STEAMIX® 2032SSE 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 1,4 bar, STEAMIX will respond with a 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

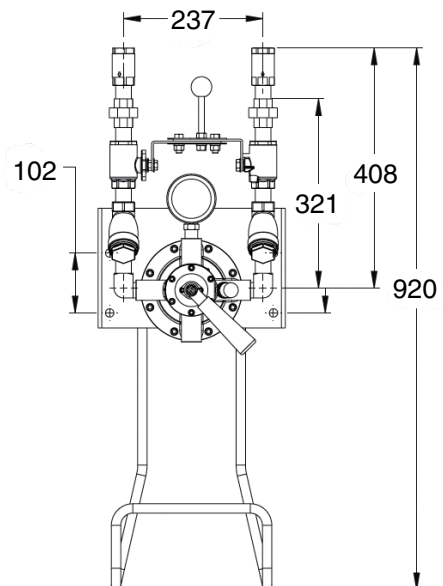
- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Type 304 stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ration: 10:1††
- Inlet check valves included
- Shipping weight: 18,6 kg

† **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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.



A) 31°C Temperature Rise						
Water	Steam	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
B) 56°C Temperature Rise						
Water	Steam	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
C) 75°C Temperature Rise						
Water	Steam	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.

Armstrong® STEAMIX® Steam & Water Hose Stations & Mixing Units

Model 2033SSE – Stainless Steel

STEAMIX® Model 2033SSE Steam/Water Mixing Valve of Type 304 stainless steel construction.

STEAMIX® Model 2033SSE is supplied as standard with all stainless steel (SS) 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 and pressure-tested. Stainless Steel dual scale top mount. Thermometer and Inlet Check Valves Included.

Safety Features

- **STEAMIX® 2033SSE 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 1,4 bar, STEAMIX will respond with a 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

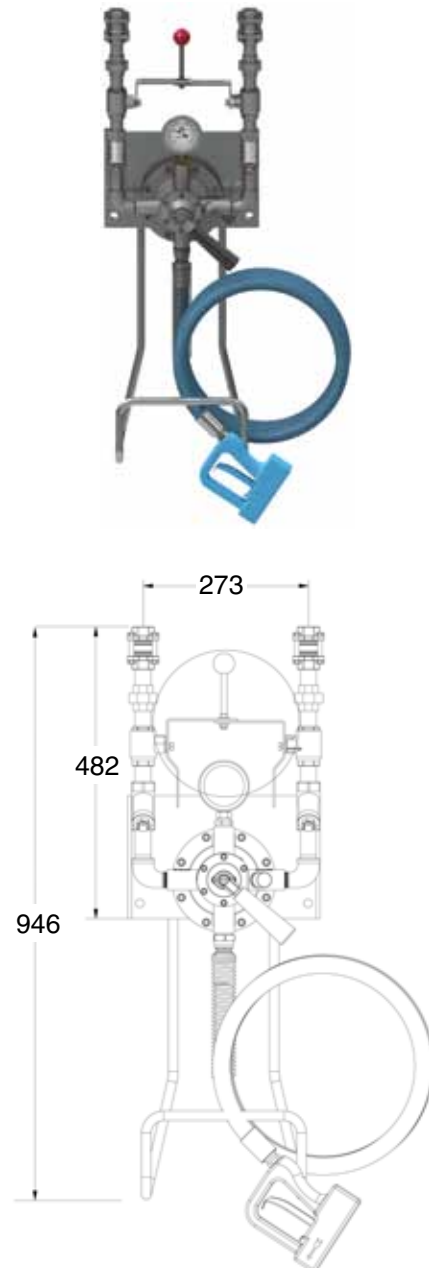
- 3/4" (20 mm) BSPT inlets and 3/4" (20 mm) NPT outlets
- Type 304 stainless steel construction
- Operating pressures:
 - Maximum: 10 bar
 - Minimum: 1,4 bar†
- Maximum pressure loss ration: 10:1††
- Inlet check valves included
- Shipping weight: 18,6 kg

† **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 expected flow rates at constant steam and water pressure and with an unrestricted open outlet.



A) 31°C Temperature Rise						
Water	Steam	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
B) 56°C Temperature Rise						
Water	Steam	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
C) 75°C Temperature Rise						
Water	Steam	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.