



STEAMIX® Steam & Cold Water Mixing Units

Model 2030SSF - Stainless Steel Mixing Valve

STEAMIX® Model 2030SSF is a steam and water mixing valve constructed of Type 304 stainless steel.

Model 2030SSF is supplied standard with a 6-1/2" x 6-1/2" (165 x 165mm) stainless steel backplate with mounting holes and 3/4" flanged #150 RF (ASME B16.5) connections.

Safety Features

- **STEAMIX® Model 2030SSF will not pass live steam.**
- If there is a complete failure of the inlet cold water supply, or if the inlet cold water supply drops below 20 (+/- 5) psi (1.4 bar), STEAMIX® will completely shut down outlet flow.
- In the event of a structural failure of the primary operating component (diaphragm), STEAMIX® will "fail safe" to cold water.
- Model 2030SSF includes a single-temperature locking kit that "locks" the valve to an outlet temperature so that users cannot select a higher temperature. The locking kit reduces the potential for overheated water or flash steam common with other types of hose stations.

Technical Specifications

- 3/4" (20mm) flanged #150 RF (ASME B16.5) inlets and outlet(s)
- Type 304 stainless steel construction
- **Operating pressures:**
 - Maximum operating pressure: 150 psi (10 bar)
 - Minimum operating pressure: 20 psi * (1.4 bar)
- **Maximum pressure loss ratio:** 10:1 †
- **Weight:** 25 lbs (11.3 kg) approx.

* **NOTE:** Lower steam pressures significantly reduce outlet flow rates.

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

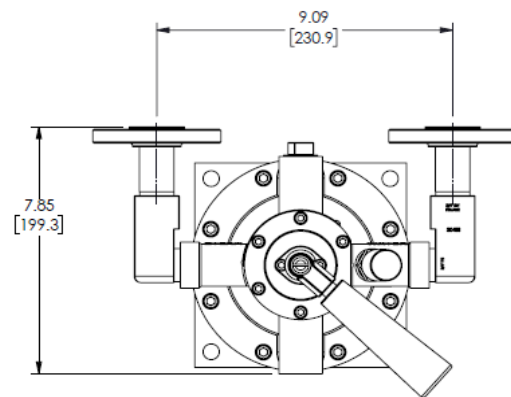
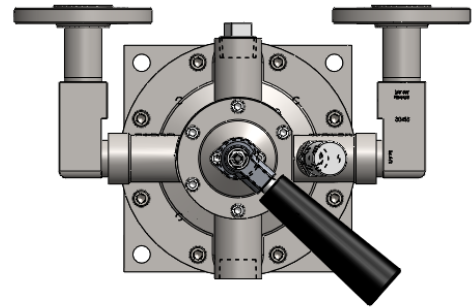
Flow Rates

The capacity charts (right) indicate STEAMIX® 203 Series flow rates at inlet steam and water pressures that are commonly available in an average manufacturing plant. The STEAMIX® 203 Series is suited for a diverse range of temperatures and pressures. Three typical outlet temperatures shown in the capacity chart demonstrate the valve's flow rate at:

- "User safe" temperature (approx. 120°F or 48°C)
- "Hot wash down" temperature (approx. 150-160°F or 65-71°C)
- "Common bacteria kill" temperature (approx. 180°F or 82°C)

NOTE: All flow rates shown are with an open outlet. A reduction in flow should be expected depending on the length and diameter of the outlet pipework, hose, spray nozzle, etc.

For a fully detailed certified drawing, refer to: **D152419**



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



STEAMIX® Steam & Cold Water Mixing Units

Model 2031SSF Stainless Steel Mixing Unit with Flow Control

STEAMIX® Model 2031SSF is a steam and water mixing valve constructed of Type 304 stainless steel.

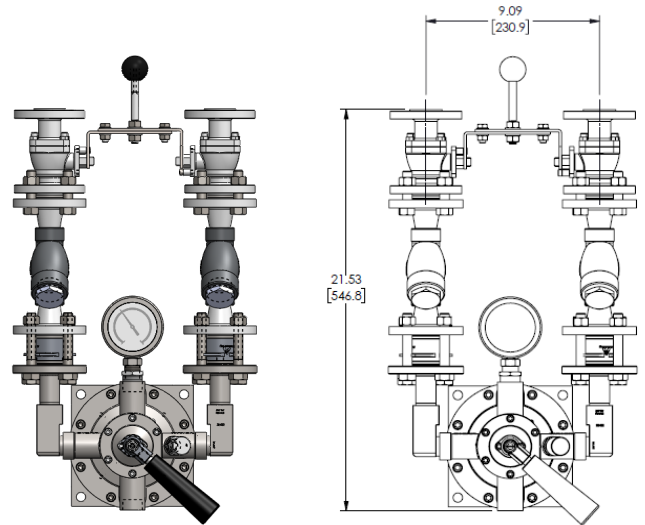
Model 2031SSF is supplied standard with a 6-1/2" x 6-1/2" (165 x 165mm) stainless steel backplate with mounting holes.

Model 2031SSF features stainless steel supply risers that include 3/4" Y-type strainers, ball valves, check valves, and 3/4" flanged #150 RF (ASME B16.5) connections.

A stainless steel bridge piece connects the risers and houses a lever handle for simultaneous on/off control of the steam and water supply lines. The unit is supplied fully assembled and pressure-tested. A stainless steel, dual-scale thermometer is mounted to the top of the STEAMIX® valve.

Safety Features

- **STEAMIX® Model 2031SSF will not pass live steam.**
- In the event of a complete failure of the inlet cold water supply, or if the inlet cold water supply drops below 20 (+/- 5) psi (1.4 bar), STEAMIX® will completely shut down outlet flow.
- In the event of a structural failure of the primary operating component (diaphragm), STEAMIX® will "fail safe" to cold water.
- Model 2031SSF includes a single-temperature locking kit that "locks" the valve to an outlet temperature so that users cannot select a higher temperature. The locking kit reduces the potential for overheated water or flash steam common with other types of hose stations.



Technical Specifications

- 3/4" (20mm) flanged #150 RF (ASME B16.5) inlets and outlet(s)
- Type 304 stainless steel construction
- **Operating pressures:**
 - Maximum operating pressure: 150 psi (10 bar)
 - Minimum operating pressure: 20 psi * (1.4 bar)
- **Maximum pressure loss ratio:** 10:1 †
- **Weight:** 52 lbs (23.6 kg) approx.

* **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 (right) indicate STEAMIX® 203 Series flow rates at inlet steam and water pressures that are commonly available in an average manufacturing plant. The STEAMIX® 203 Series is suited for a diverse range of temperatures and pressures. Three typical outlet temperatures shown in the capacity chart demonstrate the valve's flow rate at:

- "User safe" temperature (approx. 120°F or 48°C)
- "Hot washdown" temperature (approx. 150-160°F or 65-71°C)
- "Common bacteria kill" temperature (approx. 180°F or 82°C)

NOTE: All flow rates shown are with an open outlet. A reduction in flow should be expected depending on the length and diameter of the outlet pipework, hose, spray nozzle, etc.

For a fully detailed certified drawing, refer to: **D152420**

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



STEAMIX® Steam & Cold Water Mixing Units

Model 2032SSF - Stainless Steel Hose Station (Less Hose)

STEAMIX® Model 2032SSF is a steam and water mixing valve constructed of Type 304 stainless steel. Model 2032SSF is mounted to a stainless steel hose rack.

Model 2032SSF features stainless steel supply risers that include 3/4" Y-type strainers, ball valves, check valves, and 3/4" flanged #150 RF (ASME B16.5) connections.

A stainless steel bridge piece connects the risers and houses a lever handle for simultaneous on/off control of the steam and water supply lines. The unit is supplied fully assembled and pressure-tested. A stainless steel, dual-scale thermometer is mounted to the top of the STEAMIX® valve.

Safety Features

- **STEAMIX® Model 2032SSF will not pass live steam.**
- In the event of a complete failure of the inlet cold water supply, or if the inlet cold water supply drops below 20 (+/- 5) psi (1.4 bar), STEAMIX® Model will completely shut down outlet flow.
- In the event of a structural failure of the primary operating component (diaphragm), STEAMIX® will "fail safe" to cold water.
- Model 2032SSF includes a single-temperature locking kit that "locks" the valve to an outlet temperature so that users cannot select a higher temperature. The locking kit reduces the potential for overheated water or flash steam common with other types of hose stations.

Technical Specifications

- 3/4" (20mm) flanged #150 RF (ASME B16.5) inlets and outlet(s)
- Type 304 stainless steel construction
- **Operating pressures:**
 - Maximum operating pressure: 150 psi (10 bar)
 - Minimum operating pressure: 20 psi * (1.4 bar)
- **Maximum pressure loss ratio:** 10:1 †
- **Weight:** 58 lbs (26.3 kg) approx.

* **NOTE: Lower steam pressures significantly reduce outlet flow rates.**

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

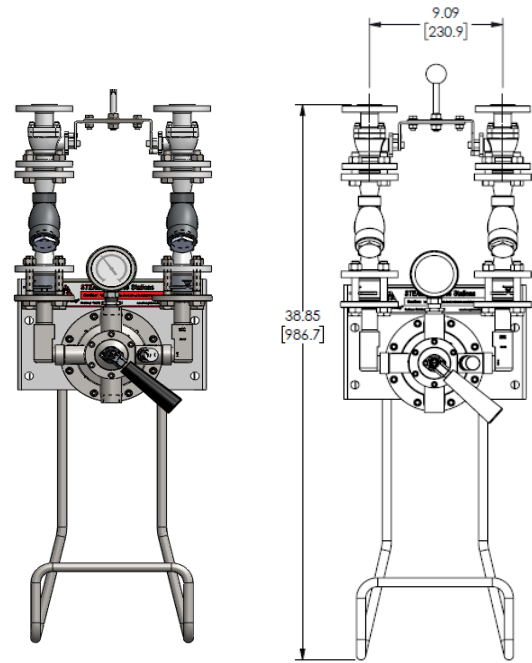
Flow Rates

The capacity charts (right) indicate STEAMIX® 203 Series flow rates at inlet steam and water pressures that are commonly available in an average manufacturing plant. The STEAMIX® 203 Series is suited for a diverse range of temperatures and pressures. Three typical outlet temperatures shown in the capacity chart demonstrate the valve's flow rate at:

- "User safe" temperature (approx. 120°F or 48°C)
- "Hot washdown" temperature (approx. 150-160°F or 65-71°C)
- "Common bacteria kill" temperature (approx. 180°F or 82°C)

NOTE: All flow rates shown are with an open outlet. A reduction in flow should be expected depending on the length and diameter of the outlet pipework, hose, spray nozzle, etc.

For a fully detailed certified drawing, refer to: **D152421**



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



STEAMIX® Steam & Cold Water Mixing Units

Model 2033SSF - Stainless Steel Hose Station

STEAMIX® Model 2033SSF is a steam and water mixing valve constructed of Type 304 stainless steel. Model 2033SSF is mounted to a stainless steel hose rack.

Model 2033SSF features stainless steel supply risers that include 3/4" Y-type strainers, ball valves, check valves, and 3/4" flanged #150 RF (ASME B16.5) connections.

A stainless steel bridge piece connects the risers and houses a lever handle for simultaneous on/off control of the steam and water supply lines. The unit is supplied fully assembled and pressure-tested. A stainless steel, dual-scale thermometer is mounted to the top of the STEAMIX® valve.

Model 2033SSF includes a safety yellow washdown hose. A polymer triggerguard nozzle with low heat transfer, a swivel adapter, and a nozzle hook, all of stainless steel construction, are also included.

Safety Features

- **STEAMIX® Model 2033SSF will not pass live steam.**
- In the event of a complete failure of the inlet cold water supply, or if the inlet cold water supply drops below 20 (+/- 5) psi (1.4 bar), STEAMIX® will completely shut down outlet flow.
- In the event of a structural failure of the primary operating component (diaphragm), STEAMIX® will "fail safe" to cold water.
- Model 2033SSF includes a single-temperature locking kit that "locks" the valve to an outlet temperature so that users cannot select a higher temperature. The locking kit reduces the potential for overheated water or flash steam common with other types of hose stations.

Technical Specifications

- 3/4" (20mm) flanged #150 RF (ASME B16.5) inlets and outlet(s)
- Type 304 stainless steel construction
- **Operating pressures:**
 - Maximum operating pressure: 150 psi (10 bar)
 - Minimum operating pressure: 20 psi * (1.4 bar)
- **Maximum pressure loss ratio:** 10:1 †
- **Weight:** 25' Hose: 69 lbs (31.3 kg) approx.
50' Hose: 78 lbs (35.4 kg) approx.

* **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 (right) indicate STEAMIX® 203 Series flow rates at inlet steam and water pressures that are commonly available in an average manufacturing plant. The STEAMIX® 203 Series is suited for a diverse range of temperatures and pressures. Three typical outlet temperatures shown in the capacity chart demonstrate the valve's flow rate at:

- "User safe" temperature (approx. 120°F or 48°C)
- "Hot washdown" temperature (approx. 150-160°F or 65-71°C)
- "Common bacteria kill" temperature (approx. 180°F or 82°C)

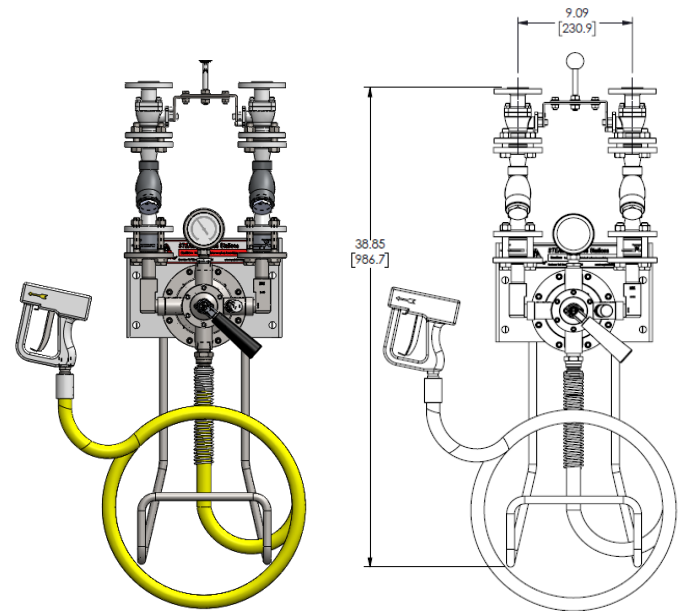
NOTE: All flow rates shown are with an open outlet. A reduction in flow should be expected depending on the length and diameter of the outlet pipework, hose, spray nozzle, etc.

For a fully detailed certified drawing, refer to: D152422 (25' hose); D152423 (50' hose); D152424 (75' hose); D152983 (100' hose)

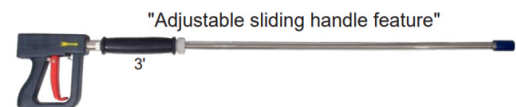
Nozzle Extension Wand Option

The nozzle extension wand is an optional add-on available only with 038-TG nozzle. The wand is constructed of Type 304 stainless steel and is supplied with a sliding handle and quick connect to a 038-TG nozzle. An adjustable spray pattern tip for a solid or fan spray is also provided.

- Barrel Length: 38" (965.2 mm)
- Barrel Material: Stainless steel
- Barrel Diameter: 7/8" (22.2mm)
- Handle Diameter: 1-1/2" (38.1mm)
- Weight: 3 lbs (1.36 kg) approx.



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



Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.