STVM® Washdown Station

A ThermOmegaTech® product

Silent Type Venturi Mixer

Using our unique venturi technology for silent operation.

What Our Washdown Station Does

The ThermOmegaTech® STVM® Washdown Station delivers a high temperature wash down using a proprietary mixing valve that combines steam and water for a constant stream at the operator's set temperature.

The intuitive safety shutoff feature essentially eliminates the 'hose full of steam' problem of the past, decreasing hazardous conditions.

Ease of Maintenance

With a single moving part, the thermal actuator within the mixing valve cartridge, the ThermOmegaTech STVM Washdown Station ensures long, uninterrupted use and silent operation, even in high mineral content water conditions.

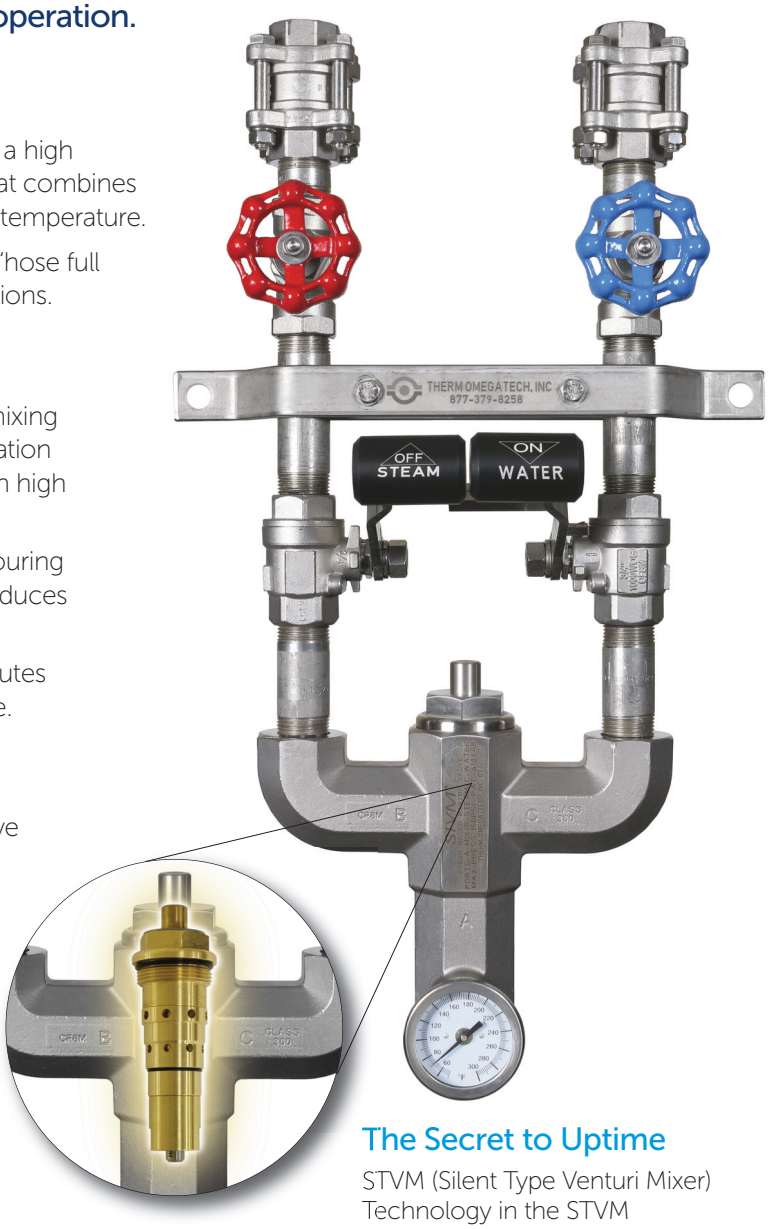
As the flow of steam and water enter the mixing valve, a scouring action occurs that minimizes the buildup of minerals and reduces build up in tight clearance areas.

Changing of the cartridge is accomplished in just a few minutes and only requires one wrench — which means more uptime.

Safety is Our Priority

Our STVM Washdown Station's steam and water mixing valve is designed to reduce flow should the output temperature exceed the factory set point of 150°F (65.5°C) & 185°F (85°C) and will completely shut down 15°F (18°C) above that. The valve will restore flow once temperature falls below the shutoff temperature.

Learn more at ThermOmegaTech.com/Washdown



The Secret to Uptime

STVM (Silent Type Venturi Mixer) Technology in the STVM Washdown Station is the secret to maximum uptime.

ThermOmegaTech® (877) 379-8258 | www.ThermOmegaTech.com

SPECIFICATIONS

TECHNICAL DATA

Maximum Steam Pressure	150 PSIG (10.3 BAR)
Maximum Water Pressure	150 PSIG (10.3 BAR)
Water Output Temperature (min)	Ambient
Water Output Temperature (max)	150°F (65.6°C) - TOT150 185°F (85°C) - TOT185
Approximate weight (without hose & nozzle)	19 lbs. (8.6 Kg)

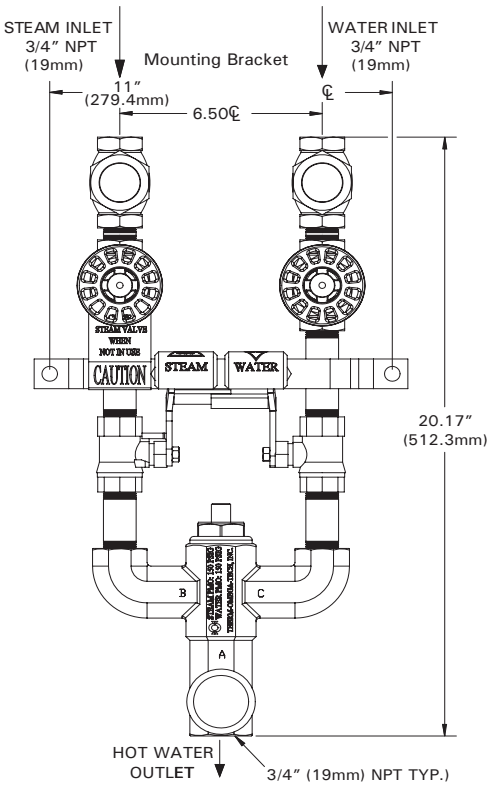
**Steam pressure must be at least 10 PSI (0.69 BAR) greater than water pressure*

HOSE ASSEMBLIES (Rated for both steam and hot water)

Color	Black	White
Tube	EPDM	EPDM
Reinforcement	Wire, 1 braid	High Tensile Cord
Cover	EPDM/pin pricked	EPDM
Fitting Material	Zinc Plated Steel	Stainless Steel
Working pressure	200 PSIG (13.8 BAR)	225 PSIG (15.5 BAR)
Temperature limit	388°F (197.8°C)	330°F (165.6°C)
Nominal I.D.	3/4" (19mm)	3/4" (19mm)
Standard lengths	25 ft., 50 ft., & 75 ft.	25ft, 50ft., & 75ft. (7.6m, 15.2m, & 22.9m)....(7.6m, 15.2m, & 22.9m)

SIZES AND PIPE CONNECTIONS

Mixing Station	3/4" (19mm) NPT inlets and outlet
Hose	3/4" (19mm) NPT male swivel x 1/2" (12.7mm) male swivel
Nozzle	1/2" (12.7mm) NPT female



PARTS INFORMATION

MATERIALS SUPPLIED WITH STANDARD SYSTEM

Mixing valve cartridge	Stainless Steel or Brass
Mixing valve body	Stainless Steel or Bronze
Globe valves	Stainless Steel or Bronze
Check valves	Stainless Steel or Bronze
Temperature gauge	Stainless Steel/Plexi-glass
Mounting bracket	Stainless Steel
Pipe fittings	Stainless Steel or Brass/Bronze
Hose rack	Stainless Steel

COMMON PARTS ORDERING INFORMATION

For additional hose assemblies, nozzles and spare parts, consult factory.

STANDARD ASSEMBLIES

Description	Part Number
¾" TOT (150ºF) Stainless Steel Washdown Station	377-111100-150
¾" TOT (185ºF) Stainless Steel Washdown Station	377-111100-185
¾" TOT (150ºF) Brass/Bronze Washdown Station	377-111000-150
¾" TOT (185ºF) Brass/Bronze Washdown Station	377-111000-185
¾" TOT (150ºF) Welded Stainless Steel Washdown Station w/ Threaded Inlet	377-111170-150
¾" TOT (185ºF) Welded Stainless Steel Washdown Station w/ Threaded Inlet	377-111170-185
¾" TOT (150ºF) Welded Stainless Steel Washdown Station w/ Welded Inlet	377-111180-150
¾" TOT (185ºF) Welded Stainless Steel Washdown Station w/ Welded Inlet	377-111180-185

ACCESSORIES

25ft White Creamery hose assembly	940 110030-025
25ft Black hose assembly	940-000000-025
Washdown Gun	941-410110-000
Stainless Steel Washdown Gun	941-510100-000

SPARE PARTS

Valve cartridge assembly (150ºF) Brass/Bronze	374-010000-150
Valve cartridge assembly (185ºF) Brass/Bronze	374-010000-185
Valve cartridge assembly (150ºF) Stainless Steel	374-012000-150
Valve cartridge assembly (185ºF) Stainless Steel	374-012000-185

COMPLIANCE

Our Stainless Steel Stations conform with EU Pressure Equipment Directive 2014/68/EU.

WASHDOWN GUN

- Rated at 350 PSI (24 BAR)
- Max working temperature of 195°F (90.6°C)
- Adjustable cone angle from 0° to 60°
- Weighs 2 lbs (0.9 Kg)
- ½" (12.7mm) FPT inlet
- Positive shut-off
- Available with brass or stainless steel internals

