ThermOmegaTech®

Washdown Stations

For Processing & Production Facilities





ThermOmegaTech® offers a variety of high temperature washdown stations and maintenance equipment to protect industrial production facilities against contamination.

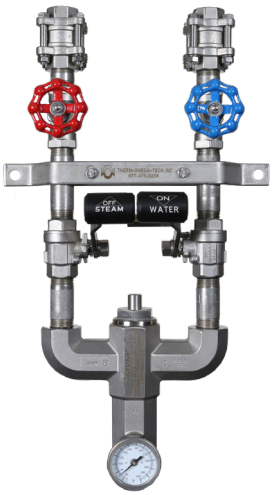
ThermOmegaTech's QMS is certified to the AS9100D Standards

www.ThermOmegaTech.com
877-379-8258

Washdown Stations

ThermOmegaTech® provides the ultimate industrial cleaning and washdown equipment for production facilities that require a high-temperature washdown of processing machinery to prevent contamination. Industries include food processing, dairy and pharmaceutical production facilities, chemical and petrochemical plants, breweries and wineries.

STVM® Washdown Station



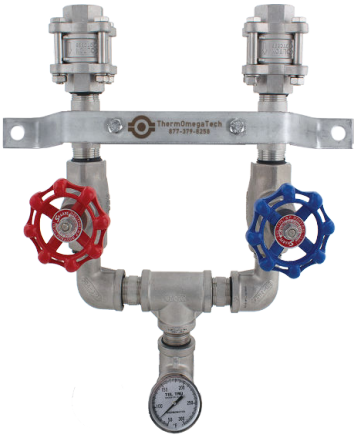
The STVM® Steam and Water Washdown Station provides a high-temperature washdown. It is the only washdown station on the market using a Venturi mixing valve design to combine steam and cold water to produce a constant stream at the operator's set temperature. As the flow of steam and water enter the thermostatic mixing valve, a scouring action minimizes the buildup of minerals to ensure long, uninterrupted use and silent operation.

Designed to expedite routine maintenance with minimal downtime, the STVM® features an interchangeable cartridge with a single moving element, the thermal actuator, to easily service the station in the field - Saving you time and money.

Key Features

- Interlocking ball valves prevent steam only operation
- Automatic steam shut-off when cold water flow is interrupted
- Thermally activated over-temperature shut-off (15°F (8.3°C)) above the unit's set-point)
- Unique Venturi mixing design minimizes water hammer effect
- In-line serviceable mixing valve with easy to replace/clean cartridge
- 150 PSIG (10.3 BAR) maximum water pressure; No minimum
- Our stainless steel stations conform with EU Pressure Equipment Directive 2014/68/EU
- Optional robust, welded Stainless Steel version for heavy-use applications

HCX Washdown Station



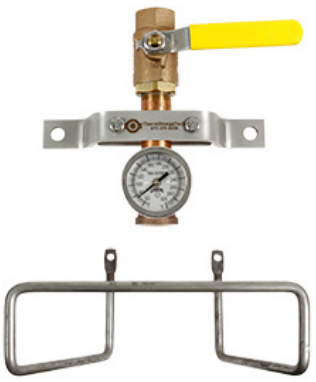
The HCX Washdown Station provides a high-power washdown in facilities without an available steam supply. Combining simplicity and cost-effectiveness, the HCX utilizes individual globe valves to mix hot and cold water to the desired proportion while clearly displaying the output temperature through an integrated temperature gauge.

Key Features

- Exclusive SmartFlow safety shut-off option - thermostatic valve automatically stops flow should the output temperature exceed the specified set-point
- Available in stainless steel or brass
- 150 PSIG (10.3 BAR) maximum water pressure
- 200°F (93.3°C) maximum water inlet temperature

  **Not designed for steam service*

HCS Washdown Station



The HCS Washdown Station is designed with a single channel configuration that delivers a single stream of hot or cold water for washdown applications. Controlled by a quarter-turn ball valve, the HCS provides simple yet effective control of flow while an integrated temperature gauge monitors and confirms the outlet water temperature.

Key Features

- Includes hose rack and mounting bracket
- Available in stainless steel or brass
- 150 PSIG (10.3 BAR) maximum water pressure
- 200°F (93.3°C) maximum water inlet temperature

  **Not designed for steam service*

For product dimensions and specifications, visit www.ThermOmegaTech.com

ThermOmegaTech®

High Temperature Washdown Stations

Washdown Station Enclosure

The Model MRE Washdown Station Enclosure is specifically designed to protect and organize ThermOmegaTech's Washdown stations and equipment in a secure, uncluttered environment. The enclosure is intended for recessed wall-type installations and opens a full 180 degrees, accommodating easy access to equipment.



Features

- 304 stainless steel – Corrosion resistant
- Lockable 3-point door latch
- Removable hose rack for 25ft (7.6m), 50ft (15.2m), 100ft (30.5m) long hose
- Removable low mounting hose rack for 25ft (7.6m), 50ft (15.2m) long hose
- Drain port
- Steam inlet pipe insulation supplied - *Insulation must be installed*

Part Numbers

STVM® Washdown Station

Part Number	Description
377-111100-150	¾" TOT (150°F (66°C)) Steam and Water Stainless Steel Washdown Station
377-111100-185	¾" TOT (185°F (85°C)) Steam and Water Stainless Steel Washdown Station
377-111000-150	¾" TOT (150°F (66°C)) Steam and Water Brass/Bronze Washdown Station
377-111000-185	¾" TOT (185°F (85°C)) Steam and Water Brass/Bronze Washdown Station
377-111170-150	¾" TOT (150°F (85°C)) Welded Stainless Steel Washdown Station w/ Threaded Inlet
377-111170-185	¾" TOT (185°F (85°C)) Welded Stainless Steel Washdown Station w/ Threaded Inlet
377-111180-150	¾" TOT (150°F (66°C)) Welded Stainless Steel Washdown Station w/ Welded Inlet
377-111180-185	¾" TOT (185°F (85°C)) Welded Stainless Steel Washdown Station w/ Welded Inlet

HCX Washdown Station

Part Number	Description
377-510030-000	HCX Hot and Cold Water Brass Mixing Station
377-510130-000	HCX Hot and Cold Water Stainless Steel Mixing Station
377-610030-XXX	HCX Hot and Cold Water Brass Mixing Station with SmartFlow
377-610130-XXX	HCX Hot and Cold Water Stainless Steel Mixing Station with SmartFlow

HCS Washdown Station

Part Number	Description
377-410020-000	HCS Single Stream Brass Washdown Station
377-410120-000	HCS Single Stream Stainless Steel Washdown Station

Washdown Station Enclosure

Part Number	Description
942-100000-000	MRE 304 Stainless Steel Washdown Station Enclosure

For product dimensions and specifications, visit www.ThermOmegaTech.com

Washdown Equipment and Accessories

ThermOmegaTech's offers a variety of washdown equipment, including steam-rated hoses, hot water rated hoses, and washdown guns for our various mixing stations. Also available is our STVM® replacement cartridge assembly.

Washdown Hoses

ThermOmegaTech® hoses are available in 25' (7.6m), 50' (15.2m), or 75' (22.9m) and as standard black or a white creamery version which features a smooth white outer covering to prevent picking up debris.

Steam Rated Hoses

Black Washdown Hose



- Boston Weatherhead 200 L.L.
- Steam & water rated
- Wire braid enforcement
- EPDM tubing and cover
- Zinc-plated steel swivel fittings
- Strain relief on station end
- ½" (12.7mm) MNPT x ¾" (19mm) MNPT connections

White Creamery Washdown Hose



- Alfagomma T350LL
- High tensile textile cord reinforcement
- White EPDM tubing and cover
- Can withstand +330°F (165.6°C)
- Stainless steel swivel fittings
- Strain relief on station end
- ½" (12.7mm) MNPT x ¾" (19mm) MNPT connections

Hot Water Rated Hoses

Black or White Creamery



- 4 ply textile reinforcement
- EPDM tube and cover
- Brass and zinc plated steel swivel fittings
- Strain relief on station end
- 300 PSIG (20.7 BAR) maximum operating pressure
- 200°F (93.3°C) maximum operating temperature
- 1/2" (12.7mm) MNPT x 3/4" (19mm) MNPT connections

**Not rated for steam use*

Washdown Guns

ThermOmegaTech® has 2 washdown gun options - brass internals and stainless steel internals.

Design Features





- Rated at 350 PSIG (24 BAR)
- Max working temperature of 195°F (90°C)
- Adjustable cone angle from 0° to 60°
- Weighs 2lbs (0.9 kg)
- Accepts 1/2" male NPT connections
- Positive shut-off

STVM® Cartridge Assembly

The STVM® Washdown Station is designed with an interchangeable cartridge to expedite routine maintenance with minimal downtime. The STVM® cartridge assembly can be replaced in an installed station within minutes by simply unscrewing the cartridge with a standard wrench and inserting the new one. The used cartridge can then be cleaned by immersing it in a descaling solution, inspected, and reused.



The impact of production downtime can severely affect your bottom line. To maximum your uptime, be sure to have a spare cartridge assembly readily available to keep your operation running smoothly.

For product dimensions and specifications, visit www.ThermOmegaTech.com