

# Steam Water Washdown Unit



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**spirax**  
**sarco**

# Steam Water Washdown Unit

Spirax Sarco Steam Water Washdown Unit is designed to provide instantaneous hot water economically and safely by blending steam and cold water to the required user temperature.

Our station assists your facility in breaking down fats, greases, and oils as well as effectively washing away liquids and particles. Spirax Sarco's Steam Water Washdown Unit is an additional solution to sanitize your entire facility and clean-up spills.

## Benefits:

- Operates under a wide range of water/steam pressures and temperature ranges, without changing components
- Will not pass live steam if water supply fails.
- Dual output feature provides the ability to feed two different sources with one single washdown unit.
- Compact all-in-one washdown unit supplied ready for easy installation.
- Requires little or no maintenance.



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## Safety Solution for your Facility

The Steam Water Washdown Unit's internal design does not allow live steam to penetrate. When installed and properly used in industrial environments, if water pressure should drop, the unit's poppet will close tight for safe shut down, delivering safety and performance users expect in their clean-up and sanitation facility requirements.

### Follow these safety tips:

- Meet factory conditions
- Follow installation guidelines
- Wear protective clothing
- Never leave the washdown unit unattended in an open position

## Performs Under Pressure

Low water and steam pressures are not a concern for the Spirax Sarco Steam Water Washdown Unit. Our washdown unit continues to perform well with water/steam pressures as low as 30 psig, while still delivering a safe flow of hot water; without changing any internal components.

## Applications and Industries

Our Steam Water Washdown Unit is ideally suited to general cleaning applications where hot water is required. It provides efficient and proper means of cleaning that complies with State and Federal regulations. Washing down walls, floors and process equipment within industries such as Food & Beverage, Dairy, Petrochemical, Chemical, Pharmaceutical and other processing industries are good manufacturing processes during plant operations.



## Range Availability

Each Steam Water Washdown Unit comprises of either a bronze or stainless steel washdown unit with check valves, globe valves, dual temperature gauge (Fahrenheit and Celsius), hose rack and mounting bracket. Each unit is fully assembled, pressure tested and is supplied with installation and maintenance instructions.



## Recommended ancillaries

- **Strainers** - It is recommended that strainers are fitted upstream of the station on both the steam and water supply lines to prevent debris from entering the steam water washdown unit and causing damage.
- **Steam Trap** - It is also recommended that a steam trap be fitted upstream of the station on the steam supply line to prevent possible water hammer or erosion of the valves.
- **Hose** - We provide a flexible, lightweight, economical, durable, safe hose for our steam water washdown unit. They come standard with a 360 swivel adapter to prevent hose kinking and the ability to rotate with hand movements. Hoses are available standard in four different lengths, 25', 50', 75', and 100'. Increments of 25' up to 500' is available through special request at our factory.
- **Nozzle** - Our quick connect high flow nozzles assures drip-free automatic shutoff feature upon release of lever. Variable spray patterns, adjustable from fan to solid stream. Nozzles are available in 300 series stainless steel, aluminum or brass. Cover colors available in dark blue, red and white. Our nozzles come with a locking mechanism for a safe and secure method of maintaining the nozzle in an open position.

FDA and the USDA require a discharge temperature of at least 180°F for washdown. We offer temperature indicating nozzles designed with a temperature indicating feature that allows the user to have a visual temperature reading from the nozzles discharge point.



360 Ball Type Swivel Adapter design prevents hose kinking.



Rating: 150 psi / 200 F (93 C)  
Maximum Tested Operating  
Pressure of 500 psi  
NOT FOR USE WITH STEAM

Rating: 150 psi / 200 F (93 C)  
Maximum Tested Operating  
Pressure of 500 psi  
NOT FOR USE WITH STEAM

Dark Blue

White

Red

°F	°C
over 210°	99°
200°	93°
190°	88°
180°	82°
170°	77°
160°	71°
150°	65°

Window turns tan when below rated temperature

Window turns green when within 2 F of rated temperature

Window turns blue when above rated temperature

## Accessories

- **Sanitizer Bottle Kit** - Designed to provide the user with a means of sanitizing desired washdown locations with a number of given mandatory chemical sanitizers as per State and Federal regulations. The 5 liter sanitizer bottle kit comprises of a spray tip, that is capable of attaching on our standard high flow nozzle, 5 liter bottle, handle and suction hose.
- **Stainless Steel Spray Wand** - As an additional option, we do offer a 3-foot 300 series stainless steel washdown wand designed to washdown unreachable places. The wand tip is capable of changing spray pattern from fan spray to solid spray by twisting the tip. It also incorporates a quick disconnect feature that allows the user to quickly connect our wand to any of our standard high flow nozzle. (Nozzle sold separately).



## Optimizing your energy performance with Spirax Sarco

With the advent of the 21st Century, it has never been more difficult for companies to manage their business. Manufacturers must cope with rising labor costs, ever-increasing global competition, and escalating fuel costs. Most organizations are operating leaner than ever before. Downsizing strategies have seen the reduction of maintenance staff levels and the resultant decline of in-house steam engineering knowledge and experience.

To help energy users address today's competitive pressures, Spirax Sarco established their Services Division. This group of experienced Spirax Sarco engineers is equipped to fill the knowledge void, working alongside your engineering and maintenance staff to maintain and improve performance, efficiency and productivity while reducing costs.

Our qualified engineers propose optimization solutions based on sound economic models and sensible business proposals that respect your budgets, production schedules and resource requirements while demonstrating a rapid return on investment. Applying our expertise, solutions and turnkey engineering capabilities, we help our customers maximize profit by upgrading steam system engineering to best practice class.

You can be confident that we have the expertise you need to help you meet the challenges you face in managing your energy costs and making yours a more competitive and sustainable business. Contact your local Spirax representative to learn more.

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