

High Pressure Hot Water

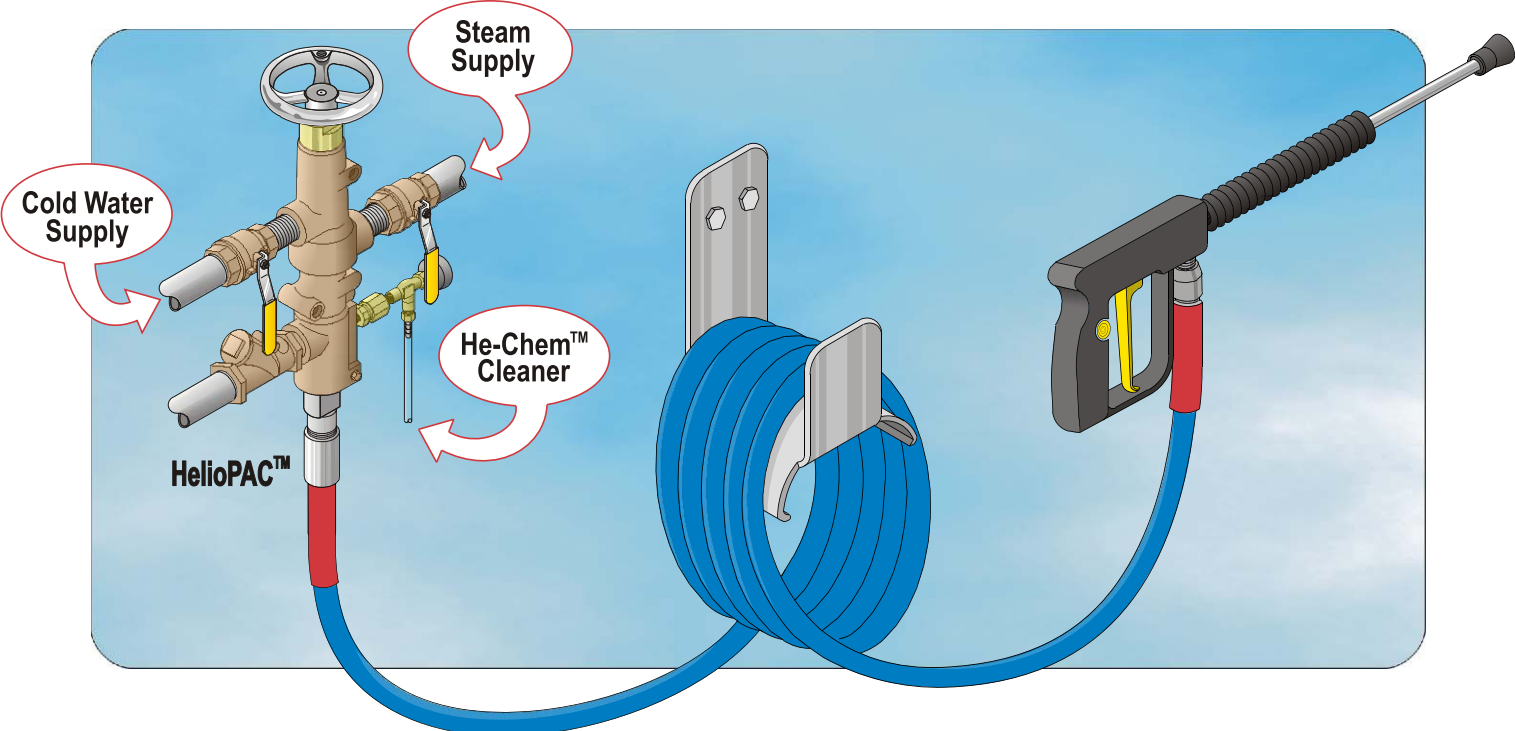
WASH STATIONS



by HelioJET

HelioJET Wash Station Technology

Clean, sanitize, degrease, and disinfect like never before with HelioJET. Powered by the patented HelioPAC™ (pressure - amplifier - condenser), HelioJET Systems offer the ultimate in cleaning efficiency and economy. Using only your existing in-plant steam and cold water supply, the HelioPAC™ generates high pressure hot water, and does it with no moving parts. This small, compact unit operates more efficiently, and out performs larger, more cumbersome systems of the past. Eliminate pump maintenance, gas fumes and electricity costs by using HelioJET Technology.

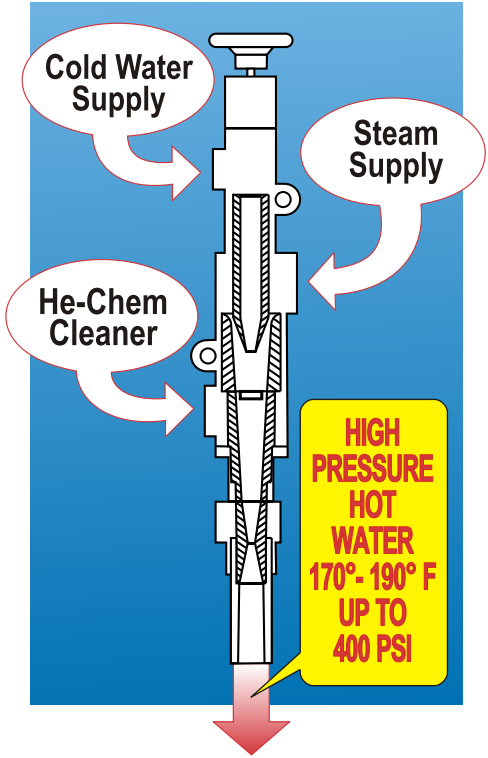


HelioPAC™ Technology

The HelioPAC utilizes existing steam and cold water supplies. As steam enters the HelioPAC, it is expanded to supersonic velocity and immediately condenses into a cold water stream. The steam's heat and momentum are then transferred to the water. The result is instantaneous pressurized hot water at more than 99% efficiency. For example: when using 125 psi steam pressure, and a cold water supply of 60 psi, the HelioPAC can deliver hot water at over 300 psi and 185°F. The HelioPAC does all this with no moving parts, making it the most efficient, low maintenance cleaning system of its kind. Another unique advantage of the HelioPAC is that during operation, it creates its own internal vacuum. This allows He-Chem™ specially formulated chemical cleaners to be metered in automatically. As the He-Chem™ Cleaner enters the HelioPAC, it encounters extreme heat and turbulence which thoroughly mixes and disperses it into the pressurized hot water. This action creates a powerful cleaning solution.

Materials of Construction

The HelioPAC models featured in this brochure are constructed with a bronze external housing and stainless steel internal components. Detergent inlet valve assemblies are available in brass or stainless steel.



Single-User Cleaning Stations

As outlined below, HelioJET Single-User Wash Stations are available in three sizes which range in capacity from 3-14 gpm. Typical output pressure range is 200-400 psi at temperatures of 170-190°F. Output pressure and temperature is determined by the steam and water supplies available in your plant. All HelioJET Systems can automatically meter in He-Chem™ Chemical Cleaners in order to provide optimum cleaning performance.

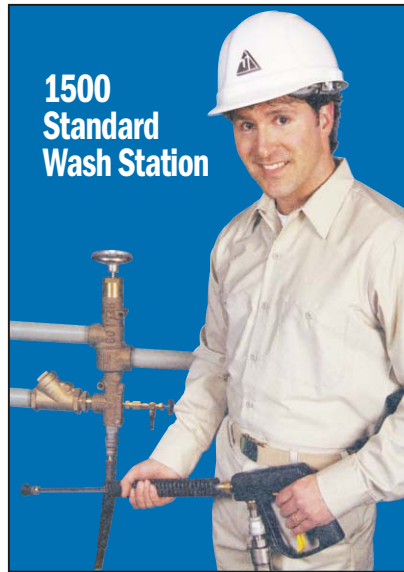
The HelioPAC can also be used to supply high pressure hot water to shower nozzles for conveyor cleaning, tank washing equipment, etc. Larger HelioPAC units are also available in capacities as high as 120 gpm.

Three models to choose from...



LittleJET™ Wash Station
(3-5 GPM)

The LittleJET Wash Station is ideal for cleaning small items such as food transport racks, buckets, and minor food processing equipment. The LittleJET can spray pressurized hot water to a distance of 6 feet and still maintain high impact at the cleaning surface. When you have a special cleaning job that requires low flow, the LittleJET is your choice.



1500 Standard Wash Station™
(6-8 GPM)

The 1500 Standard Wash Station is the most popular of the HelioJET Single-User Cleaning Systems. It is ideal for general cleaning of: food processing equipment, floors, walls, vats, etc. The 1500 Standard Wash Station can spray water to a distance of 14 feet and still maintain high impact at the cleaning surface.

MOST POPULAR



1500 Big Gun Wash Station™
(9-14 GPM)

The 1500 Big Gun Wash Station is specially designed to deliver a high volume of pressurized hot water on demand. It is perfect for large open areas that you need to clean fast. The 1500 Big Gun can spray water up to 25 feet and still maintain high impact at the cleaning surface. The Big Gun is not recommended for use in close quarters, high traffic areas, or if the operator is within 10 feet of the object being cleaned.

Models	Water Supply		Steam Supply			Floor Drain Minimum Pipe ID	Discharge Flow Rate GPM
	Minimum Pipe ID	PSI	Minimum Pipe ID	PSI	Maximum Consumption lbs/hour		
LittleJET™	.75"	20 - 150	.75"	50 - 150	400	2"	3 - 5
1500 Standard	1.00"	20 - 150	1.00"	50 - 150	650	2"	6 - 8
1500 Big Gun	1.25"	20 - 150	1.25"	*25 - 150	900	2"	9 - 14

* When steam pressure is less than 50 psi, the 1500 Big Gun Wash Station will deliver performance similar to that of the 1500 Standard Wash Station. Steam pressures listed show minimum and maximum allowable. Optimum steam pressure range for each model is 90 - 125 psi.

Other Great Products from HelioJET



Hose Reels

Standard Hose Reels are designed for 1/2" and 3/4" ID hose, can handle lengths of up to 100 ft., and are equipped with a hand crank rewind. All reels can be wall or floor mounted. They are constructed of steel and painted with a baked on enamel finish.

Hose Reel options include: stainless steel construction, spring loaded rewind, motorized rewind. They can also be special ordered to accommodate hose lengths of up to 150 ft.



The 1000 Hot Foam Station

Powered by the patented HelioPAC™ pressure-amplifier-condenser, the 1000 Hot Foamer combines existing in-plant steam, cold water, shop air, and He-Chem™ Foaming Chemicals.

This single-user station delivers foam at a temperature of 120-140°F. The rich solution it delivers will stick to the surfaces that you want to clean. It is ideal for the sanitation of food process equipment, hoods, vats, floors and walls. It is also great in the paper industry for machine frame and hood cleaning. The 1000 Hot Foamer can deliver chemical concentrations of up to 25%.



The Steam Gun Station

The Steam Gun Station connects to your existing in-plant steam supply. Simply turn on your steam supply valve and pull the trigger. This system will deliver raw steam for cleaning motors, castings, and other equipment. The Steam Gun Station is ideal for cleaning in areas where significant water volume cannot be tolerated.



The HelioJET™ Central Cleaning System

The HelioJET Central Cleaning System supplies pressurized hot water to multiple cleaning stations throughout your plant simultaneously. Because the Central Cleaning System is powered by the patented HelioPAC (pressure - amplifier - condenser), it is efficient and easy to use. We can recommend a complete Central Cleaning System package including accessories such as spray guns, hoses, hose reels, foaming equipment, etc.



He-Chem™ Proprietary Formulations

HelioJET will provide a He-Chem product specially suited to meet your cleaning requirements. We carry a full line of general purpose cleaners, degreasers, foam products, chlorinated cleaners, and lubricants. Contact us for a recommendation.



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