



ADVANCED CLEANING
& SANITIZATION SYSTEMS

HIGH PRESSURE SPRAY CABINET

Model: HP-1000
For Higher Level
Cleanliness!



A new standard for high pressure washers!

Most spray cleaning applications require high volume, lower pressure pumps. There are, however, some cleaning jobs that can only be achieved with ultra-high pressures and highly targeting nozzles.

The HP-1000 is for precision cleaning facilities that demand the highest machine standards and is ideal for removing inert substances (silicone, paper, rubber), stubborn soils like carbon, and even for deburring. This system can be used to manually clean parts with its 1,000 PSI spray gun or it can be used in a fully automatic mode with the powered turntable option.

Outstanding Features

- Ergonomic design for operator to sit or stand
- Spray gun outputs 4 GPM at 1,000 PSI
- Large viewing window with powered wiper
- Interior lighting and window defogging
- 22" Diameter turntable for easy part rotation (optional power drive)
- 40" Loading height and 30" IVC
- 250 lbs. weight capacity
- 3 HP pump
- Hinged door for easy and complete access
- Stainless steel construction
- Standard system utilizes fresh water (non-recirculated)



Specifications

The HP-1000 spray cabinets are ideal for getting a higher-level of cleanliness on difficult to clean part features than what is achievable from general jet spray washers. The HP-1000 is ergonomic for seated or standing positions, has a turntable for easy part rotation, and has an optional heated tank to recirculate cleaning solution.

Cabinet Style	Turntable Spray Cabinet; Door Has Gloves
Turntable Diameter	22"
Load Height	40"
Inside Working Height	30"
Weight Capacity	250 lbs.
Tank Size *optional	20 gallons
Heat Source / Time *optional	4.5 kW / 1.5 hours
Construction	304 Stainless Steel
Electric Power	230V/1-Ph standard (230V or 460V/3-Ph optional)
Overall Dimensions	43" wide x 46" deep x 79" high



Standard Features



Ergonomic Spray Gun

- Ergonomic spray gun with unique trigger hold-down mechanism
- Requires no trigger force once spraying
- 60% reduction of manual strain on fingers: cuts down fatigue



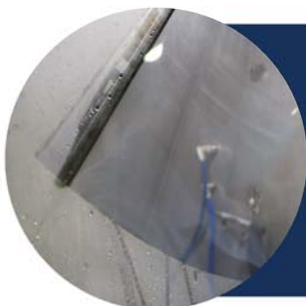
High Pressure Pump

- 3 HP pump outputs at 4 GPM @ 1000 PSI
- Superior heat management on plunger to reduce water heat-up in bypass and thereby extending pump lifetime
- Inlet pressure regulator to provide steady, low-pressure inlet feed



22" Diameter Turntable

- For easy part rotation and cleaning convenience. (Power optional)
- Sealed bearing assembly with "Lifetime Warranty"
- Mounted to a structural beam that is tied directly to the ground.
- Open mesh material covers the surface of the turntable
- Toggle clamp to lock turntable rotation



Automatic Window Wiper

- For increased visibility
- Main window oriented at an ergonomic incline for optimum visibility



Illuminated Cabinet Interior

- LED light bar for full illumination of the interior
- Increases visibility of parts being cleaned

Optional Features



Recirculated Wash Tank

- 20 Gallon heated tank for solution recirculation
- Standard is an electric immersion heater: 4.5 KW
- Heater controlled with adjustable thermostat on front of tank
- High capacity, removable, inline strainer for pump; stainless screen & PP body.



Powered Turntable

- Turntable is powered (BE's wrap-around chain drive)
- Controlled by foot switch controls for safe and convenient hands-off operation



Rinse and Dry Stages

- Spray gun offered with tubing inside wash chamber to conveniently switch from high-pressure wash
- Branch of main water line connects to rinse inlet coupler on cabinet
- Max flow-rate: 5 GPM; Max pressure: 150 PSI
- Compressed air gun and tubing inside wash chamber to conveniently switch from wash or rinse (compressed air provided by facility)



Oil Skimming

- Side valve allows the floating oils to run into a built-in weir pan and out the side drain
- Must also purchase the recirculated tank option
- Includes a receiver bucket with a bottom drain to remove water content



Spray Gun Holder

- Allows the operator to step away

Aqueous Detergents



Better Engineering Aqueous Detergents

These detergents are specially formulated to maximize cleaning performance and to protect your machine. These detergents, backed by “BE’s” chemistry department and factory test center, allow Better Engineering to offer customers a full service cleaning solution.

Benefits of “BE” Chemistry



Biodegradable – No VOC'S, non-flammable, and generally non-hazardous



Lower pH's – Generally safe on all metals



Forces oils to the surface for easy skimming



Low foaming – Designed for powerful spray washers and agitation



Excellent rust inhibition



Free-rinsing

Lab Test Services

Engineering Test Lab & Machine Demonstration Center

Better Engineering has a complete engineering lab and machine demonstration center to test clean your parts. We feel that seeing is believing and that is why we invite you to visit our plant and test center in Joppa, MD to see your parts get cleaned first-hand. Or send us your parts and we'll test clean them for you. Every test comes with a detailed report of our process, the results, and the recommended machinery. Contact Us for additional information or to schedule your FREE parts cleaning test.



Over 15,000 System in Service

Automatic, Aqueous-Based Parts Washing and Sanitization Systems



Sanitization Washers

- For sanitizing applications
- Ideal for food, beverage, medical, pharma, and cosmetic industries
- Clean Totes, Bins, MacroBins, Trays, Pans, Racks, Sharps, etc.



Turntable Washers

- Four (4) major product groups
- Over 30 standard models
- Mild steel or stainless steel
- Unlimited customization



Conveyor Washers

- Rugged construction, elegant design
- Standard belt widths 14" - 48"
- Custom widths & systems available
- Modular construction



Immersion - Ultrasonics

- Agitating Platforms (Multi-speed)
- Ultrasonic Power
- Unlimited Stages
- Full Automation Available



Tumbling Washers

- Spray/Immersion technology
- Ultrasonic cleaning available
- Parts tumble in baskets or lock in fixtures
- Ideal for small parts or parts with blind holes



Drum Washers

- Clean small parts in volume
- Stnd. drum diameters 14" - 48"
- Continuously welded helix
- Modular construction



RTO Washers

- Super compact
- Designed for work cells and lean manufacturing centers
- Often incorporated in automation processes



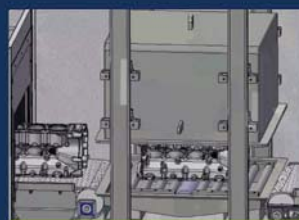
Custom Washers

- Dunnage washers, tote washers
- Tube and pipe washers
- Rack and vat washers
- Monorail washers
- Flushing systems and more...



Robotics & Washing

- For auto loading & unloading
- For moving spray & dry nozzles around a part
- For lifting & turning a part for water drainage



Vacuum Drying

- Drying deep cavities & passageways
- Water evaporates at zero atmospheric pressure



Ultra High Pressure

- Pressures up to 10,000 PSI
- Units from 5-100 HP



Small and Powerful!

- For wash-only applications
- Automatic spray washers
- Industrial quality
- "BE" guarantees



1802 Fashion Court
Joppa, MD 21085 USA

Phone: 410-931-0000
Toll Free: 800-229-3380
Email: info@betterengineering.com



www.betterengineering.com