



OPEN-POCKET STAPH-GUARD[®] WASHER-EXTRACTORS

MORE PRODUCTIVE ▪ HIGH SPEED EXTRACTION ▪ 2 SIZES



Model 36030 F8S

OPEN-POCKET STAPH-GUARD[®]

WASHER-EXTRACTORS

Staph-Guard washer-extractors are sophisticated barrier units with the advantages of open-pocket machines. Ideal for healthcare work,

they feature:



Model 36030 F8S, 110 lbs. (50 kg)



Model 42032 F7R, 165 lbs. (75 kg)

- ◆ Improved production and wash quality through open-pocket design – 110 lb. (50 kg) or 165 lb. (75 kg) capacities.
- ◆ Patented, proven air circulation system to guard against airborne pathogens.
- ◆ High-speed extraction – up to 300 Gs – boosts moisture removal.
- ◆ Precise, easy-to-use controls that deliver consistent quality. Wash, extraction and distribution speeds – along with many other functions – are completely programmable.

Milnor's patented Staph-Guard system helps prevent cross-contamination.

Here's how:

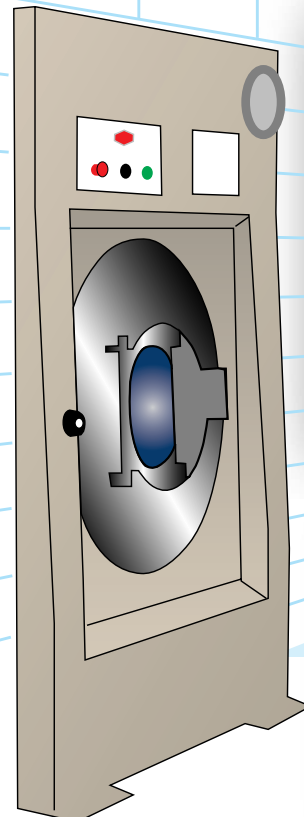
Milnor's StaphAIRTROL[®] air circulation system helps to protect health care linen from recontamination. It allows air to be drawn into the washer-extractor from the clean side only and discharged only into the soiled side.

All drive components of Milnor open-pocket Staph-Guard washer-extractors are located on the soiled side of the machines, eliminating the spread of operating residue to the clean side.

A barrier completely separates the soiled laundry handling area from the clean laundry section. The Staph-Guard[®] machine is installed within this restrictive barrier.

Automatically-controlled safety interlocks help ensure complete separation. Loading and unloading doors cannot be opened simultaneously. Also, the unloading door will not open until all cycles are complete. When the unloading door is open, there are no openings within the machine — even the drain valve closes. Also, discharge water only drains to the soiled side work area.

A barrier laundry should be designed to include positive pressure ventilation in the clean section and negative pressure circulation in the soiled section.



Open-pocket Staph-Guard machines are More Productive.

Milnor open-pocket machines stay in production longer because there are **fewer doors to load and unload** the machine compared to a divided cylinder. Cylinders in end-loading and side-loading barrier machines can sometimes leave processed goods in difficult-to-reach areas. Processed goods in a Milnor open-pocket cylinder are always an easy reach from the unloading door.

A sophisticated inner door design simplifies operation. Thumb-operated levers open the soiled-side inner door, which **retracts within the cylinder**



Door opens easily.

and slides away from the opening for ease of loading. If the door isn't fully closed, it will close automatically when the cylinder begins to spin, helping safeguard against operator error.



Goods are loaded through a single inner door.

Good ergonomics also assist in loading and unloading. Doors are placed at convenient heights to save time, reduce fatigue and minimize the chance of back strain. Extracted work is unloaded from the end of the cylinder for easy access. All points of operator interaction — doors, controls, supply injector, etc. — are designed to provide maximum ease and efficiency in use.

These open-pocket Staph-Guard machines **conserve valuable floor space**, making washrooms more efficient. The **minimal footprint** makes them ideal where space is limited. Also, machines are available with the **loading door on either side of the machine shell**. This feature allows flexibility in washroom design and helps to create specific areas in which work traffic is channeled.



One door for unloading.

Milnor cylinders are designed to be more productive. **Large volume** allows the room needed for robust lift-and-drop action and for goods to open up and absorb chemicals and water. Also, lift-and-drop action is greater than in barrier machines with cylinder dividers. **Increased cylinder perforated area** means: **better wash quality** (promotes intense interchange of wash solutions with goods); **better rinsing** (promotes interchange of water and goods and lets water drain freely); and **better extraction** (allows water to escape from goods easily and quickly). **High ribs** provide excellent lifting.

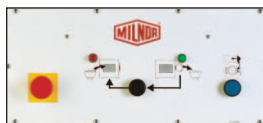
Sophisticated Controls are Versatile, Easy-to-use.



Mark V controller is versatile and user-friendly.

The open-pocket Staph-Guard units use Milnor's proven Mark V controller, which provides up to 100 formulas (98 programmable). **Every function of the machine is completely programmable**, giving the operator total command over wash functions. Time, water levels, chemical quantities, and cylinder speeds can be easily adjusted for specific goods

types or pre-programmed for routine loads. The microprocessor provides help screens on each individual function and step. Operators see real words, not codes in the Mark V display. Electronic self-diagnostics aid trouble-shooting, keeping the machine in production. The Mark V control can also output reports directly to a printer.



Simple controls boost productivity.

Operator lights on both the soiled and clean sides clearly indicate which door is available to open. Easy-to-understand, push-button controls allow quick transfer of power from one side of the machine to the other.

For total washroom control, the MILDATA computer network system lets you link a computer with the open-pocket Staph-Guard machine, other Milnor equipment and other vendors' equipment. The result is central programming, system monitoring, and data collection (including printed reports).

Suspended Unit Cushions Vibration.

The suspension system used in Staph-Guard machines is based on advanced designs that work in Milnor's 700 lb. (318 kg) washer-extractors. This dynamically-tuned suspension helps minimize vibration. The result is smoother extraction and less wear-and-tear on the machinery.

Plus...

The inner door on a Staph-Guard machine is easily opened to the load position via gravity assist. With the inner door in load position, levers on the door are released and set into a preparatory position. The outer door is then closed and the cylinder is set to Auto-spot. The turning cylinder automatically moves the inner door to an open position ready for loading.



Advanced drive system provides effective, efficient operation. An inverter drive generates all speeds from only one single-speed motor. A single-speed motor is simple and reliable. The energy-efficient drive also reduces electric peak load demand.

Easy service thanks to readily-accessible, top-mounted motor, controls and other components. Self-diagnostics help shorten — or even avoid — service calls.

Features at a Glance

- ♦ Open-pocket design boosts productivity.
- ♦ Choice of 2 sizes -- 110 lbs. (50 kg) or 165 lbs. (75 kg).
- ♦ Ergonomically-friendly design.
- ♦ Proven StaphAIRTROL system helps prevent infection.
- ♦ Advanced controls with completely programmable functions.
- ♦ Self-diagnostics and "help" messages keep machine in production.
- ♦ High extract is 300 Gs.
- ♦ Programmable wash and extract speeds.
- ♦ One single-speed motor with inverter.
- ♦ Dynamically-tuned suspension cushions vibration.
- ♦ Rugged construction.
- ♦ Superior cylinder design provides better washing/extracting.
- ♦ Five-year limited warranty on frame, cylinder and shell; two years on main bearing assembly and micro-processor boards.

Specifications

ANTI-VIBRATION SUSPENSION: Shall include four compression-type spring isolator units, capable of withstanding compression to solid height without exceeding fiber stress limitations of spring metal. Providing a reasonable safety factor exists, machines shall be capable of installation on any floor strong enough to safely support dead weight of fully-loaded machine, if floor is also rigid enough to support such rotating machinery without undue deflection while it is in operation.

MICROPROCESSOR: Shall have two pre-set formulas for immediate use and capacity for up to 98 field-programmable formulas. Display shall prompt operator while programming each step. Programming functions shall include ability to duplicate complete formulas, and/or to add, delete or modify individual steps without need for reprogramming subsequent steps. Forty-character, alphanumeric, vacuum fluorescent display shall indicate operation under way. Shall allow for full manual operation including manual output testing. Error displays shall signal operator and indicate specific malfunction. Machine shall be equipped with thermo-modulated hot and cold water valves (optional) plus third water valve (optional) if specified. All hot, all cold, both hot and cold full open, plus any other desired water temperature between 50°F (10°C) and 205°F (96°C) may be programmed in each bath.

AUTOMATIC SUPPLY: Fittings shall permit connecting tubes from remote liquid supply systems. Controls shall provide start signals for injection of five liquid chemicals at required time. (Optional: Shall have machine-mounted, five-compartment flushing supply injection for dry or liquid supplies.)

STAINLESS STEEL: If welded, shall be Type 304 or 304 L corrosion-resisting steel. To prevent carbide precipitation damage, stainless shell interior shall not be welded directly to carbon steel.

CYLINDER: Shall be open-pocket design, with no interior divider.

SHELL: Shell side shall have two circumferential ribs covered by a steel ring for extra strength.

MAIN BEARINGS: Shall be heavy duty tapered roller bearings, with triple seal between front bearing and wash water to retain lubrication and shield bearing from washing solution. The 36030 and 42032 shall be grease-lubricated with V-ring excluder seal.

MOTOR DRIVE: Shall have one single-speed motor with inverter, producing programmable wash and extract speeds plus load distribution speed. All drive components shall be on soil side.

DRAIN VALVE: Shall be air-operated gravity valve.

WATER INLET VALVES: Shall be commercial type, electrically-operated (optional: air-operated).

ISOLATION OF CLEAN AND SOIL AREAS: Machine shall be designed to permit installation in a barrier, completely separating clean and soil areas. Shall have separate doors for loading (on shell-side in soil area) and unloading (on shell-end in clean area).

INTERLOCKING OF DOORS: Shell doors shall be interlocked, mechanically and electrically so that (a) both shell doors may not be opened simultaneously; (b) clean side door may not be opened until wash/extract cycle has been completed; (c) soil side door may not be opened unless clean side operator has unloaded and/or released machine, clean side door may not be opened again until a new wash/extract cycle has been completed; (d) once clean side operator has released machine, clean side door may not be opened again until a new wash/extract cycle has been completed; (e) whenever clean side door is open, there shall be no openings (including drain valve) between inside of the machine and soil side or loading area that would permit air to pass from soil side to clean side.

AIR CIRCULATION CONTROL DEVICE: Shall be integrally mounted and shall operate continuously during all phases of washing and extracting, loading and unloading, and when machine is at rest or out of service. Shall allow air to enter machine from clean side only, and exit machine only into soil side.

	36030 F8S* 36030 F8R**	42032 F7S* 42032 F7R**
Max. capacity lbs. (kg)+	110 (50)	165 (75)
Cylinder Diameter ins. (mm)	36 (914)	42 (1067)
Cylinder Depth ins. (mm)	30 (762)	32 (813)
Gross cylinder volume cu. ft. (L)	17.7 (500)	25.7 (727)
Motor -- HP (KW)	7.5 (5.6)	15(11.2)
Wash -- RPM++	10-43 +++	10-40+++
Distribution -- RPM++	65	60
Extract -- RPM++	765	710
High extract G forces++	300	300
Overall width ins. (mm)++++	63.25 (1607)	70.75 (1798)
Overall depth ++++ ins. (mm)	72.5 (1841)	78.87 (2003)
Overall height ++++ ins. (mm)	86.06 (2186)	86.5 (2197)
Specifications and appearance subject to change without notice. * Left-side mounted loading door. **Right-side mounted loading door. + Depending on density and soil content of goods. ++Approximate. +++Programmable range. ++++ Standard accessories.		



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