



FOOD AND BEVERAGE

Impact RFS (Boosted Pressure System)

Consistent, Fast Manual and Automated Systems

Cleaning your facility and process equipment effectively and efficiently requires an integrated solution that is reliable and easy to use for your operators. "More is better" is not always true. More chemical, more water, very high pressures can all be dangerous for your people and equipment, and often just waste money without really improving cleaning effectiveness or speed.

High impact, not high pressure. Not enough pressure makes cleaning slow and wastes large volumes of water, however excessive high pressure can damage process equipment and control cabinets while creating aerosols that may recontaminate surfaces. Sani-Matic will assist you in evaluating your plant layout, soil conditions and cleaning program to determine the best overall solution.

Why Choose a Sani-Matic CHP?

- **Faster Cleaning** - Boosted pressure (340 psi) with larger water droplets creates more cleaning impact at the surface than tiny droplets at higher pressure (>700 psi). Exclusive nozzle selection provides wider effective spray pattern, cleaning more surface area faster.
- **Food Safety** - Booster pressure reduces potential aerosols created with high pressure. Soil is removed efficiently while minimizing cross-contamination problems.
- **Improve Foaming** - Technology controls chemical and air injection to create foam that clings longer and ensures adequate dwell time. Nozzle broadcasts foam faster and more uniformly which reduces chemical usage by clinging to surface areas and allowing longer contact time.
- **Worker Safety** - A hose gun is designed for comfort and safety. Ergonomic design allows operators with less strength to use longer without stress. Integrated chemical jugs lock into the RFS Stations base reducing operator error or exposure. Centralized chemical distribution system is also available.
- **Lower Costs** - Lower total water usage with 8 gpm nozzles at boosted pressure versus typical hose guns using 15 - 20 gpm at 40 - 70 psi. Reduce total cleaning costs by saving water, chemical, time and labor, and increasing available production time.

IMPACT RFS



Wall mounted cabinet includes a booster pump. Each can supply 3 - 4 RFS Stations simultaneously.

RFS Booster Systems

Boost incoming water pressure by 300 psi (or specified) to ensure proper cleaning impact for every hose gun operator on-demand. Either install centrally or locally in each process area. The system is compact, reliable and low maintenance.



Booster

Grundfos multi-staged centrifugal pumps are sized to serve the number of operators using hoses simultaneously, sensors automatically turn on the boosters, and time delay shutdown conserves energy.

RFS Station

Wall mounted drop station for a single hose gun operator, each station integrates chemical safely and uses one common hose with interchangeable nozzles for Rinse/Foam/Sanitize processes. Water is supplied directly from the system. Easy to use symbols and durable construction ensures reliable long term performance.



RFS Station



Exclusive nozzle creates a wider, more uniform spray pattern that allows fewer passes to clean a surface area.

View a video of the RFS in action:
www.sanimatic.com/products_centralPressure.asp

SANI-MATIC

P:800.356.3300 F:608.222.5348 sanimatic.com 1915 S. Stoughton Rd., Madison, WI 53716





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Rinse/Foam Wands/Hoses

- Quick Disconnect for interchanging between Rinse and Foam
- Heavy duty hoses provided with quick disconnects and swivels



X-Stream Portable RFS Unit

- Boost pressure for rinsing, creating and applying foam and dose sanitizer reliably and easily
- Flexible for infrequent cleaning applications, or in areas without available piping installed
- On-board chemical jugs and air compressor: just connect 480V power and water source at remote locations

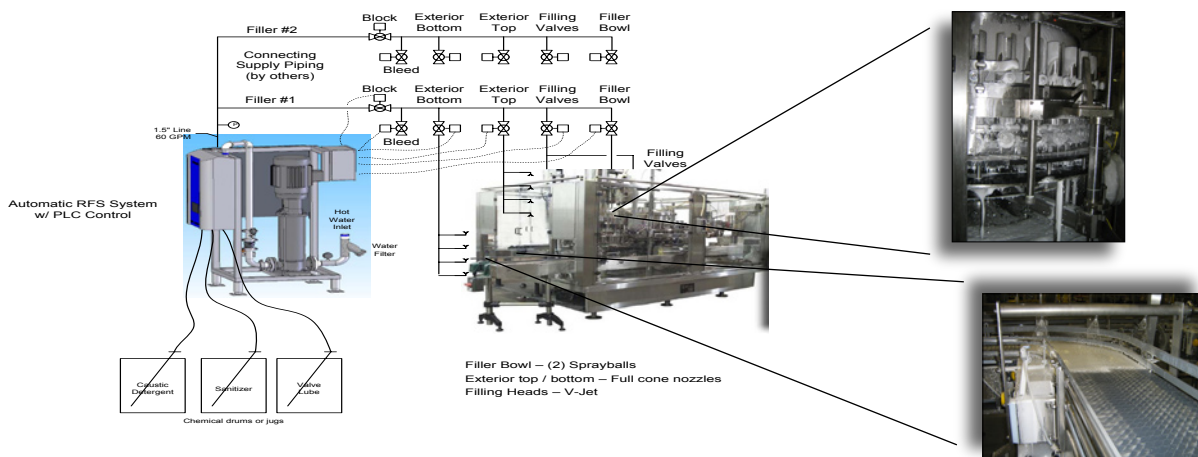


Higher Pressure RFS Booster Unit

- Provides pressures to 640 psi for applications which require higher impact to cut soil, such as burnt fats and proteins
- System utilizes the same multistage centrifugal pump with a VFD
- Efficient and quiet operation with reduced maintenance



Automated RFS System configured to your plant application



Improve Cleaning Consistency and Speed

Automated RFS controls zoned spray manifolds for sequenced Rinsing, Foaming and Sanitizer application processes. Booster pump feeds pressurized water to RFS unit which injects chemical and controls zones and cycles. Sani-Matic engineers spray device locations, customized to specific application and layout.

Automated RFS controls "handshake" with process equipment controls for permission to clean, and can pass data records to plant-side software.

Applications:

- Beverage Fillers, Cappers — Exterior surfaces
- Conveyor lines — Belts and/or support structure
- Blenders, mixers, grinders
- Screw conveyors
- Spiral freezers
- Dryer cabinets
- Other process equipment and difficult to reach areas

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