Product Overview

The Reliance Synergy Washer/Disinfector is a mechanical washer equipped with an Eagle 3000 Stage 3 control system. The washer/disinfector is designed with nine adjustable cycles. One additional cycle is available for customized programming to meet specific operating requirements. Three injection pumps are provided with a standard washer/disinfector. One enzyme pump, one detergent pump and one lubricant pump (for Thermal Rinse phase) increase the flexibility of the customized cycles. Up to five injection pumps can be installed. Each preprogrammed cycle is equipped with PreWash, Enzyme, Wash, Rinse and Thermal Rinse phases.

Features

- 10 Din trays Single-Chamber Double-Door
- Washer/Disinfector compliant with EN / ISO 15883.
- Very good rack-to-chamber ratio of 96%
  (the closer to 100% the better the fit of the rack for the chamber).
- Steam or electric heating.
- Dw Rinse (Cycle Duration, Min): 0-10
- Rinse (Fluid Reservoir): 0-15
- Rinse / Lubricate (Cycle Duration, Min): 0-10
- Detergent Wash (Cycle Duration, Min): 0-15
- Detergent Wash (Cycle Duration, Min): 0-15
- Cold Prewash (Cycle Duration, Min): 0-15
- Dry (Cycle Duration, Min): 0-30
- Pump Intensity, HP (Signals): Dual-speed 7.5, 2
- Max Flow, gal/min (Signals): 340.7 (90); 916 (242)
- Controller (Power Needed): Microprocessor
- Heat Source (Control Console): Steam or electric

Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.
Specifications

Exterior dimensions: 42 x 80 x 36-1/2” (1067 x 2032 x 927 mm)
Interior chamber dimensions: 26-1/2 x 26-1/4 x 26” (673 x 667 x 660 mm)
Load Height: 31” (787 mm) above finished floor
Weight, kg (lb): 544.3 kg (1,200.2 lb)

On initial daily start-up, setting the POWER-OFF/STANDBY switch to POWER prepares the washer/disinfector for cycle operation.

Once the treatment cycle is selected, the washer/disinfector automatically processes the load through the following standard phases (additional phases are included in certain treatment cycles depending on unit configuration):

**Pre-Wash.** Cold water enters the sump from the building supply. Once the sump fills, pre-wash water is recirculated and sprayed over the load for two minutes (factory-setting). On completion of the phase, water is sent to the drain. Recirculation time is adjustable from 15 seconds to 15 minutes.

**Pulsed Enzyme.** Hot tap water enters sump from the building supply, where a selected amount of enzyme detergent is added automatically. The load is sprayed with an enzyme solution for 4.0 seconds, then allowed to soak on instruments for 26 seconds. Spray/soak pattern is repeated for the selected time interval (4.0 to 15 minutes). On completion of the phase, the solution is sent to drain, and the load is rinsed with hot water.

**Wash.** Hot tap water enters the sump from the building supply, where a selected amount of detergent is added automatically. The detergent solution is heated and maintained at a temperature ranging from 140 to 180°F (60 to 82°C); the factory setting is 150°F (65°C). Once set temperature is reached, a solution is recirculated and sprayed over the load for the selected time interval (2.0 to 15 minutes). On completion of the phase, the solution is sent to the drain.

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Neutralizer. Hot tap water enters the sump from the building supply, where a selected amount of neutralizing detergent is added automatically. The detergent solution is heated and maintained at a temperature ranging from 140 to 180°F (60 to 82°C); the factory setting is 150°F (65°C). Once set temperature is reached, the solution is recirculated and sprayed over the load for the selected time interval (2.0 to 15 minutes). On completion of the phase, the solution is sent to the drain.

Rinse. Hot tap water enters the sump from the building supply. Water may be heated and maintained at a temperature ranging from 110 to 180°F (43 to 82°C) for 15 seconds (factory-setting). Once the sump fills, rinse water is recirculated and sprayed over the load for the selected time interval (15 seconds to 15 minutes). On completion of the phase, water is sent to the drain.

Thermal Rinse. Pure water, or hot tap water, enters the sump from the building supply. Pure water rinse is recirculated, heated and maintained at a temperature ranging from 180 to 203°F (82 to 95°C). Once the set temperature is reached, rinse water is recirculated and sprayed over the load for the selected time interval (1.0 to 10 minutes).

In North American washing applications (60-Hz units), a lubricant is automatically injected during the Thermal Rinse at a concentration of 1/8 to 2.0 oz/gal (1.0 to 16 mL/L). On completion of the phase, water is sent to the drain.

HEPA-Filtered Drying. Hot air is recirculated over the load for 6.0 to 60 minutes at low temperature (180°F [82°C]), or 6.0 to 30 minutes at a high temperature (240°F [116°C]). During the Drying phase, a small quantity of air (approximately 50 scfm) is exhausted through the building vent system, or through the condenser (non-vented system option) to reduce humidity. This exhausted air is replaced by HEPA-filtered fresh air.

Specifications Continued on Next Page

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The drying efficiency is enhanced by high convection of hot air through diffusers in the chamber and piping in the manifold racks.

On completion of daily usage, the washer can be placed in a STANDBY Mode by setting Power-Off/Standby switch to OFF/STANDBY position.

Once the switch is set, there is a one-minute delay before the power doors automatically lock.