



Project _____
 AIA # _____ SIS # _____
 Item # _____ Quantity _____ C.S.I. Section 114000



FT1000i/FT1000Si Industrial Conveyorized Washer



Complies with EPA Reduction of Lead in Drinking Water Act 2014

Meets requirements of ASSE Standard No. 1004

SPECIFIER STATEMENT

The specified machine shall be a Hobart flight type dish machine, 78gph final rinse, with dual rinse, hinged and insulated doors, 30" wide conveyor belt, removable wash arm caps, microprocessor controls, energy recovery and a high pressure blow off dryer system.

DIRECTON OF OPERATION

- Right to Left
- Left to Right

VOLTAGE

- 208/60/3
- 240/60/3
- 480/60/3
- 600/60/3
- Other voltages available – consult factory

MODELS

- FT1000i – Conveyorized Washer
- FT1000Si – Conveyorized Washer

STANDARD FEATURES

- + Pumped rinse system
- + Water usage 78 gph
- + Hinged load and unload panels
- + Digital controls with machine diagnostics
- + Low temperature alert
- + 31" access on prewash and power wash; 20" access on dual rinse chamber
- + Recessed start and stop switches at both ends, front and rear
- + Doors open indicator
- + Drains open indicator
- + Door interlocks
- + 4 H.P. prewash and wash pump motors, all TEFC
- + Side wash and side rinse
- + Easy to remove and clean stainless steel scrap pans and baskets
- + 30"W x 22"H tunnel opening
- + Dual rinse
- + Front and rear panels
- + Variable speed conveyor, 4.0 to 8.5 FPM
- + Stainless steel conveyor sprockets at both ends

OPTIONS (Available at extra cost)

- Electric Tank Heat
- Steam Tank Heat
- Booster Heater
 - Electric
 - Steam, stainless options available
- Power rinse chamber (FT1000i only)
- Additional wash tank chamber
- Heated blower dryer chamber
- High pressure blow-off
- RO water capability package
- 6" higher than standard chamber
- Circuit breakers
- Custom machine lengths available, consult factory
- Flanged feet
- Water hammer arrestor/PRV (installed by others)
- Drain water tempering kit (installed by others)
- Consult factory for custom options

FT1000i/FT1000Si INDUSTRIAL CONVEYORIZED WASHER

Approved by _____ Date _____ Approved by _____ Date _____



DESIGN:

Fully automatic, conveyorized tunnel washer consisting of the following sections: load, power recirculating prewash, power wash, optional power rinse, dual rinse—including a fresh water final rinse, high pressure blow off and blower dryer. Included between each section will be a flexible plastic strip curtain to control overspray.

CONSTRUCTION:

Stainless steel tank and chambers with No. 3 polish on appearance surfaces. Frame, legs and feet to be constructed of stainless steel. Inspection doors to be chamber width.

PUMPS:

Recirculating stainless steel pumps with stainless steel impellers. Pump housing has easy to remove coverplate for access to impeller. Wash pumps are self-draining.

MOTORS:

Totally enclosed fan cooled (TEFC) design with overload protection. Pump motors to be 4 H.P. for prewash and wash, 3½ H.P. for power rinse, and conveyor motor to be ½ H.P. Available in electrical specifications of 208/60/3, 240/60/3, 480/60/3 and 600/60/3.

CONTROLS:

A stainless steel control center with electronic digital controls mounted at eye level. Power “On/Off” and “Start/Stop” switches integrated into key pad. Digital display indicates door(s) open, low temperature alert, tanks/final rinse temperatures and other pertinent operating data. Additional “Start/Stop” switches are located at each end of machine. Conveyor speed button included on the control center to provide for adjustable speed conveyor.

RECIRCULATING PREWASH SECTION:

Prewash compartment is fitted with upper and lower wash arms. Large removable one piece perforated stainless steel screen sloped downward to deep stainless steel scrap basket.

VENT:

Direct vent connection.

TANK HEAT:

Power wash, power rinse and dual rinse tank water temperatures are thermostatically controlled. Low water protection is provided. Specify either electric or steam heat.

FLIGHT-TYPE CONVEYOR:

Stainless steel side links, conveyor rods and conveyor tracks. Stainless steel or Injection molded Duraflex flight links are available.

DUAL RINSE:

Recirculated rinse heated to 160°F followed by a final fresh water rinse boosted to 180°F (with optional booster).

ENERGY RECOVERY:

Energy Recovery system operates with a cold water line, capturing energy from exhaust air and using it to elevate the temperature of the water entering the booster heater.

CONVEYOR DRIVE UNIT:

Powered by a ½ H.P. motor. Trip mechanism provided on unload section. Jam protection is provided by load sensing switch at drive platform. Conveyor speed adjustment of 4.0, 6.3, 8.5 feet per minute is provided on the digital display keypad, and can be factory set, if requested.

DRAINS:

Manual, hand-operated, located at each tank.

BLOWER DRYER:

Each blower dryer module includes (2) 2 H.P. fan motors with sealed ball bearings and over load protection. 31" door access provided. Multiple blower dryer modules available.

HIGH PRESSURE BLOW OFF:

This 36" chamber features a high velocity blower supplying a variety of high impact air nozzles. The blow off section is designed to remove excess water. The system includes an inlet filter housing, galvanized supply ducting, flexible hose, air knife mounting hardware and a VFD. A sound enclosure box is included to reduce noise levels. A blower dryer option can be added after the blow off to assist in the drying process. Stand or floor mount available.



FT1000i/FT1000Si Industrial ConveyORIZED Washer

No other control system allows easier monitoring.



The digital controls are placed in a convenient panel that lets operators verify proper operation and temperatures at a glance. The digital display indicates the unit is on, and confirms that the doors are closed. Automatic door interlocks prevent the pump and conveyor from operating if the doors are open. Easy to read display indicates accurate temperatures of the 150°F wash, 160°F power rinse, 160°F dual rinse and 180°F final rinse.

Stainless steel pumps are built for long life.

The stainless steel pump housing and impeller offer greater durability and long life. The pump motor is totally enclosed and fan cooled (TEFC) to protect it from water spray during clean-up.

Scrap baskets capture particles and are easy to clean.

The sloped screens that carry scraps to the scrap baskets are steeper, so less soil gets into the tanks. The basket opening is larger for easy cleaning and basket handles have been designed for easy lift-out access. The load section also contains removable scrap baskets. All scrap baskets and strainers are stainless steel for strength and durability.

Start/Stop switches.

Are included at both the load and unload ends, front and rear for ease of use, safety and convenience.



Variable speed conveyor offers increased throughput or wash time.

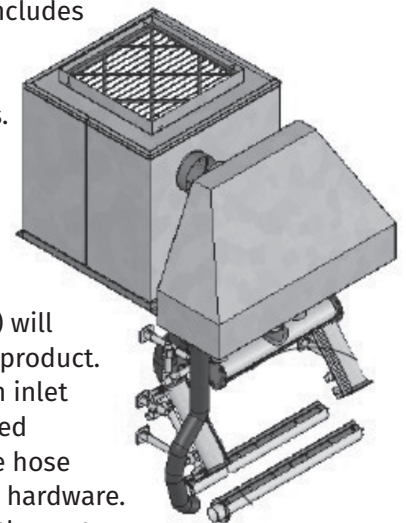
The speed of the conveyor is easily adjustable on the digital display keypad for the type of products, soiled condition, or workforce requirements. It runs at 4.0, 6.3, 8.5 feet per minute.

Energy Recovery System reclaims heat for energy.

The Energy Recovery System features a heat exchanger that captures exhausted heat and steam from the air in the washer and uses this energy to preheat the incoming cold water supply to 120°F before it enters the booster heater. In addition to energy savings, the Energy Recovery System provides a viable use for this otherwise exhausted heat.

High pressure blow-off (optional – not NSF compliant):

The standard system includes a high velocity blower powering a series of high impact air nozzles. Two air knives will be located overhead and multiple air nozzles will be located under the belt. Finally, air cannons (on each side) will target the sides of the product. The system includes an inlet filter housing, galvanized supply ducting, flexible hose and air knife mounting hardware. A sound enclosure for the motor is also included to reduce the noise levels.



Installation is quick and easy with modular design and minimal wiring connections.

Modular design means the FT1000i installs quickly and reliably. The control panel is already in place, pre-mounted to the dual rinse/final rinse section. Wiring connections are minimal, saving time and expense. The control box uses a “single plane” circuitry design for easy accessibility during installation and service.

Blower Dryer provides increased drying results.

A double blower and side air diverters in each blower dryer chamber provides a consistent heated air flow. Double doors provide easy access to chamber. Multiple blower dryer sections can be ordered and are easily assembled with a modular design.



SPECIFICATIONS

Capacities

Conveyor Speed (feet per minute)	4.0, 6.3, 8.5
Dishes per Hour	Varies by product size (Consult your Hobart representative)
Pre-wash Tank (U.S. gallons).	40
Wash Tank (U.S. gallons)	40
Rinse Tank (U.S. gallons)	32
Dual Rinse Tank (U.S. gallons)	6.5

Motor Horsepower

Pre-Wash tank	4
Wash Tank.	4
Rinse Tank.	3.5
Dual Rinse Tank	1/6
Final Rinse	1/2
Conveyor.	1/3

Water Consumption / Drain Flow

U.S. Gallons per Hour (maximum use)	78
U.S. Gallons per Minute.	1.3
Peak Rate of Drain Flow	30gpm

Electric Tank Heat

Tank Heat, Electric.	56KW (Wash, Rinse, Dual Rinse)
Electric Booster	30kw
Electric DSK Blower Dryer.	15Kw (ea)

Steam Tank Heat

Steam Consumption – Tank Heat.	215 lb
Steam Booster	47#
Steam DSK Blower Drye	52

Exhaust Requirement

Vent Connection – Center.	750cfm
Vent Connection – Load	300cfm

Shipping Weight (approximate). Varies by individual model
(Consult your Hobart representative)

Crated Dimensions Varies by individual model
(Consult your Hobart representative)

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.