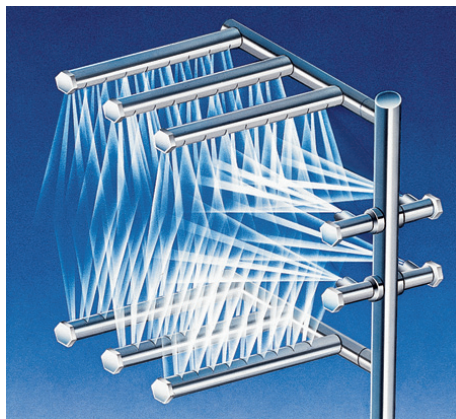


# MASTER RC

## Four Tank Rackless Conveyor Dishwasher

- Automatic conveyor, flight type four tank dishwasher with recirculating prewash, wash, two rinses and fresh water final rinse.
- 320 gallons/hour final rinse consumption
- Capacity is 18,302 dishes per hour
- Conveyor speed of 12.3 feet per minute
- CrossFire® Wash System provides superior cleaning
- Error proof replacement with color-coded curtains
- Designed for left or right hand conveyor travel, as specified
- Wide insulated swing-out doors



The patent-pending **CrossFire® Wash System** power sprays water horizontally, as well as, from above and below, cleaning and sanitizing the dirtiest of ware.

### STANDARD FEATURES

- Patented CrossFire® Wash System
- SureFire® Start-Up & Check-Out Service
- Tank heat: 100.0 kW electric immersion heaters or steam injectors
- Capillary thermometers for pre-wash, wash, rinse and final rinse
- Final rinse pressure gauge
- Vacuum breaker on all incoming water lines
- Manifold clean-out brush
- Inspection and clean-out doors
- S/S frame, legs and feet
- S/S front enclosure panel
- Wide insulated swing out doors
- Automatic tank fill
- Low water protection
- Steam booster
- Detergent connection provision
- Top mounted NEMA 12 control panel
- Simplified scrap screen design
- Door safety switch
- Exhaust connections with adjustable dampers
- Standard frame drip proof motors
- Conveyor reversing switch
- Polypropylene belt with removable rack sections
- Conveyor safety stop bar
- Interior work lights
- Override switch for de-liming
- End caps/pipe plugs secured to prevent loss
- Color-coded curtains

### OPTIONS

- Stainless steel steam coil tank heat
- Electric booster
- Pressure reduction valve and line strainer
- Single point electrical connection: motors, controls and heaters.
- S/S panels on all sides
- Security package
- Totally enclosed motors
- Insulated hood
- Stainless steel belt with removable rack sections

### AUTOQUOTES



Master RC

Capacity Per Hour	18,302 dishes 1,400-2,800 meals
Tank Capacity	24 gals. (pre-wash) 36 gals. (wash) 40 gals. (each rinse)
Motor Size	2 hp (pre-wash) 3 hp (wash) 3 hp (each rinse) 1/2 hp (conveyor)
Electric Usage	100.0 kW wash tanks *36.0 kW booster 40° rise *57.0 kW booster 70° rise
Steam Consumption at 20 psi min.	357 lbs./hour tank 128 lbs./hour remote booster 40° rise 203 lbs./hour remote booster 70° rise
Final Rinse Peak Flow at 20 psi min.	5.3 gallons/minute
Final Rinse Consumption at 20 psi min.	320 gallons/hour
Exhaust Hood Requirement	750 CFM Load 750 CFM unload
Peak Rate Drain Flow	30 gallons/minute
Shipping Weight	4350 lbs.

Machine Electrical			
Motors, Controls, Tank Heat	Steam	Gas/wo booster	Electric/wo booster
208/3/60	48.7	55.9	331.0
240/1/60	N/A	N/A	N/A
240/3/60	39.3	45.5	283.9
480/3/60	19.7	22.8	142.0
380/3/50	23.8	27.7	178.3

\*Booster requires separate electrical connection

### SPECIFICATIONS

**CONSTRUCTION-** Hood and tank all welded seamless construction using 16 gauge 18-8 type 304 S/S. S/S frame, legs and feet. All internal castings are non-corrosive nickel alloy, bronze or S/S.

**DOORS-** Extra wide die formed 18-8 type 304 S/S front inspection doors hinged with S/S pins. A triple ply leading edge on the door channels made of S/S with no plastic or nylon sleeves or liners used. Door stop built into frame.

**CONVEYORS-** Removable polypropylene or S/S rack section on S/S belt with polyethylene rollers. Conveyor drive system includes large speed reducer with cut gears operating in oil bath and frictionless, trouble-free overload release system. Conveyor

### SPECIFICATIONS (continued)

transports dishware automatically through all washing and rinsing systems and is driven by an independent 1/2 hp motor. A trip bar at the end of the unload section stops the conveyor if any ware reaches the bar. A reversing switch is provided to assist in removing jams in the belt.

**PUMPS-** Centrifugal type “packless” pump with a brass petcock drains. Construction includes ceramic seal and a balanced cast impeller on a precision ground stainless steel shaft, extension or sleeve. All working parts mounted as an assembly and removable as a unit without disturbing pump housing. Three 3 hp motors, 1725 rpm- wash and rinse and 2 hp pre-wash, standard horizontal C-face frame, drip-proof, internally cooled with ball-bearing construction.

**CONTROLS-** Top mounted control cabinet, NEMA 12 rated with heat insulation provided between hood and control cabinet, housing motor controls and overload protection, transformer, contactors and all dishwasher integral controls. All controls safe low voltage 24 VAC.

**ENERGY SAVER-** Electric photo eye automatically operates the final rinse solenoid only when ware passes, saving water and energy. The photo eye also activates an adjustable timer control. If no ware passes during the set time, the machine shuts down.

**SPRAY SYSTEM-** Spray arms made of 18-8 type 304 stainless steel pipe. Spray assemblies removable without the use of tools.

**PRE-WASH-** Upper and lower manifolds. One manifold above with 3 power wash arms, each designed with 7, 6 & 7 high pressure action cleansing slots and one manifold below with 3 power wash arms, each designed with 4 high pressure action cleansing slots. The slots are precision milled for water control, producing a fan spray. Wash arms are fillet welded to the S/S manifold.

**WASH-** Upper and lower manifolds with the patented CrossFire® Wash System. One manifold above with 3 power wash arms designed with 6, 5 & 6 high pressure action cleansing slots and one manifold below with 4 power wash arms, each designed with 6 high pressure action cleansing slots. The slots are precision milled for water control producing a fan spray. Wash arms are fillet welded to the S/S manifold. The CrossFire® system provides 4 horizontally spraying high pressure nozzles.

**RINSE-** Upper and lower manifolds. One manifold above with 3 power rinse arms, designed with 10, 9 & 10 high pressure action cleansing slots and one manifold below with 4 power rinse arms, each designed with 6 high pressure action cleansing slots. The slots are precision milled for water control, producing a fan spray. Rinse arms are fillet welded to the S/S manifold.

**FINAL RINSE-** Four nozzles above and four nozzles below threaded into S/S pipes. Nozzles produce a fan spray reducing water consumption, maximizing heat retention.

**DRAIN-** Drain valve externally controlled. Overflow assembly with skimmer cap is removable without the use of tools for drain line inspection. Heater is protected by low water level control.

Note: Due to product improvement we reserve the right to change information and specifications without notice.