

CS-5

Automatic Single Tank Door Type Chemical Sanitizing Dishwasher

- Automatic door type, single tank dishwasher with timed wash and rinse cycle
- 0.72 gallon/rack
- Capacity is 65- 20" x 20" racks per hour or 1625 dishes per hour
- Fully automatic operation
- RackAware™ Automatic Rack Sensing System* only runs a cycle when a rack is present
- Selectable 2 minute extended wash cycle
- Field convertible straight through to corner
- Digital temperature indicators for wash and rinse temperature



RackAware™ Automatic Rack Sensing System* only runs a cycle when a rack is present

STANDARD FEATURES

- SureFire® Start-Up & Check-Out Service
- Non-proprietary commercially available pump motor and parts
- "Easy Clean" front-mounted wash tank
- Single scrap screen design
- Tank heat: 5 Kw electric immersion heater or steam injectors
- Top-mounted NEMA 12 control panel
- Single point electrical connection: motor, controls and heater
- Door safety switch
- Low water protection
- Override switch for de-liming or extended wash cycle on front control panel
- Vent fan connection provision
- Easy-glide doors
- Detergent connection provision
- Manifold clean-out brush
- S/S frame, legs and feet
- S/S front panel
- End caps/pipe plugs secured to prevent loss
- Adjustable chemical sanitizing injection pump (supplies by others)

OPTIONS

- Pressure reduction valve and line strainer
- Stainless steel steam coil tank heat
- Security package
- Totally enclosed motor
- Door activated drain closer
- Plastic 20" x 20" racks (plate or silver)

AUTOQUOTES



*Patent Pending

Capacity Per Hour	65 racks 1625 dishes 80-160 meals	
Tank Capacity	6.4 gallons	
Motor Size	1 hp (wash)	
Electric Usage	3.8 Kw 208v 5.0 Kw 240v 3.1 Kw 380v 5.0 Kw 480v	
Steam Consumption at 20 psi min.	11 lbs./hour tank	
Final Rinse Peak Flow at 20 psi min.	4.36 gallons/minute	
Final Rinse Consumption at 20 psi min.	47 gallons/hour 0.72 gallons/rack	
Exhaust Hood Requirement	400 cfm	
Peak Rate Drain Flow	9 gallons/minute	
Shipping Weight	400 lbs.	
Current Draw Amps	Steam	Electric
208/1/60	9.3	27.6
240/1/60	8.1	28.9
208/3/60	5.1	15.6
240/3/60	4.2	16.2
480/3/60	2.3	8.3
380/3/50	2.8	7.5

SPECIFICATIONS

CONSTRUCTION- Hood and tank constructed of 16 gauge type 304 S/S. Hood unit of all welded seamless construction. S/S frame, legs and feet. All internal castings are non-corrosive lead free nickel alloy or bronze.

DOORS- Three (both sides and front) simultaneously opening doors. Operating doors have fingertip control, balanced by externally mounted springs. (Corner installations have two simultaneously opening doors at right angles.) All doors have easy-glide strips. Extra large die formed type 304 S/S doors ride in all S/S channels. A triple ply leading edge on the door channels made of S/S.

PUMP- Centrifugal type “packless” pump with a brass petcock drain. 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. One 1 hp motor, standard horizontal C-face frame, drip proof, internally cooled with ball-bearing construction.

CONTROLS- Top mounted control cabinet, NEMA 12 rated, housing motor controls and overload protection, transformer, contactors and all dishwasher integral controls. Integrated rack sensing system.

SPRAY SYSTEM- Wash and rinse spray systems made of type 304 stainless steel pipe threaded into cast hub assemblies. Upper and lower wash and rinse spray assemblies are removable without the use of tools.

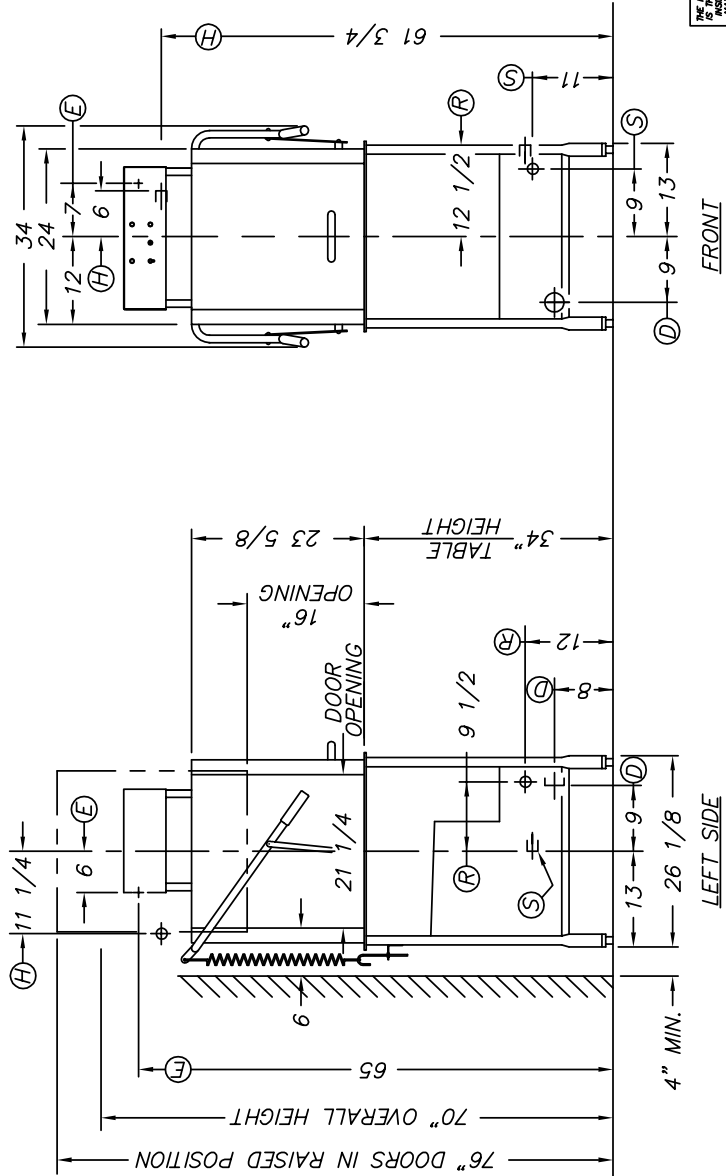
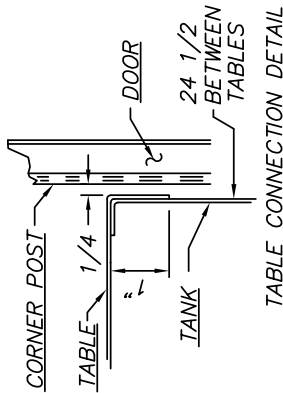
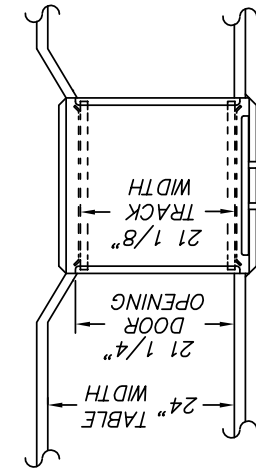
WASH- 2 power spinning wash arms above and 2 power spinning wash arms below. On top, each wash arm is designed with 8 nozzles (16 total). On the bottom, each wash arm is designed with 4 slots (8 total). The slots are precision milled for water control and produce a fan spray.

FINAL RINSE- 2 power spinning rinse arms above and 2 power spinning wash arms below. On top, each rinse arm is designed with 2 nozzles (4 total). On the bottom, each rinse arm is designed with 4 nozzles (8 total). The 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.

INSTALLATION CONNECTIONS		
LTR	DESCRIPTION	SIZE
H	HOT WATER TO FINAL RINSE	140° F
S	STEAM TO TANK COIL	1/2 FIPS
D	DRAIN CONNECTION	1 1/2 FIPS
R	CONDENSATE RETURN	TANK COIL
E	ELECT. SERVICE	WASH MTR. + HEAT
		21.9 FLA



- NOTES:**
1. WASH TANK IS FILLED THRU THE FINAL RINSE LINE.
 2. CHEMICAL SANITIZER INJECTOR PUMP FURNISHED. MUST BE ADJUSTED ON SITE TO WATER CONDITIONS.
 3. NSF REQUIREMENTS FOR CHEMICAL SANITIZING:
 - WASH TANK TEMPERATURE _____ 140° F
 - FINAL RINSE TEMPERATURE MEASURED IN MAINFOLD WITH RINSE THERMOMETER _____ 140° F. MAX.
 - WASH TIME CYCLE MINIMUM _____ 30 SEC.
 - RINSE TIME CYCLE MINIMUM _____ 25 SEC.
 - SANITIZER (CL) CONCENTRATION _____ 50-200 PPM
 - FINAL RINSE OPTIMUM PRESSURE _____ 20±5 PSI

Information and Specifications
Subject to Change Without Notice.

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AUTOMATIC CHEMICAL SANITIZING DISHWASHING MACHINE	
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DRWN: ENM	SCALE: 3/4" = 1'-0"
REV: DBC	08.17.09
FILE: STD\CS-5	DWG. NO. CS-5
	REV. D

Contact Insinger Sales at 800-344-4802 for an Installation Drawing Specific to Your Application
This drawing is available on the Insinger Web site at www.insingermachine.com

