

SPECIFICATIONS

“DOUGLAS” MODEL GCW-1

GARBAGE CAN WASHER

**DESIGN AND
OPERATION**

Batch type operation designed to wash containers 24” dia. x 36” high. After the cabinet is loaded and the door is closed, the short, medium or long wash cycle is selected then which initiates a 150° F. recirculating detergent wash followed by a 180° F. final fresh water sanitizing rinse. The final sanitizing rinse water flows into the recirculated wash tank for reuse and freshening causing excess water to overflow to drain. A buzzer and unload light indicates cycle completion. The door is then reopened for unloading and reloading for the next cycle. Booster heaters maintain proper operating temperatures.

CABINET

33 3/4” wide x 30” deep x 63” high (85 1/2” overall clearance). Door Opening: 25” wide x 38” high. Wash Chamber: 24” wide x 24” deep x 36” high. Constructed of #14 gauge, 300 Series STAINLESS STEEL with a #3 finish. All seams are tig welded. Seams, where needed for watertight construction, are continuously welded. All other seams are stitch welded for strength. All welds are cleaned inside, cleaned and buffed outside. Optional continuous welds in lieu of stitch welds available.

DOOR

Front-loading, hinged door design for easy loading and unloading. Door is double skinned for added strength and interlocked with safety switch to prevent machine operation while door is open. Constructed of #16 and #18 gauge, 300 Series STAINLESS STEEL with a #3 finish.

**RECIRCULATING
WASH TANK**

Constructed of #14 gauge, 300 Series STAINLESS STEEL, heated by a 6 KW electric immersion heater (infrared gas, live steam or steam coil options are available). Complete with low water protection, automatic fill, 1” NPT overflow connection, 1 1/4” gate drain valve, thermometer, pressure gauge and is thermostatically controlled. 20 gallon tank capacity (14 if gas heated), sloped to drain.

WASH PUMP

Closed coupled centrifugal wash pump with STAINLESS STEEL casing and impeller. Complete with 2 H.P. ODP motor (optional TEFC or wash down duty motors available). 208/240/480 or optional 575 volt, 1 or 3 phase, 60 cycle. Rated for 50 gallons per minute at 35 to 45 PSI.

**LOWER
ROTATING WASH
HUB ASSEMBLY**

Water driven, STAINLESS STEEL spray arm assembly with STAINLESS STEEL jets, removable end caps and hand operated quick release mechanism for easy cleaning and reassembly.

**UPPER FIXED
WASH JETS**

Three high velocity, brass, full cone wash jets.

FILTRATION	Two (2) perforated STAINLESS STEEL baskets mounted above water line for easy removal and cleaning without emptying tank.
SANITIZING RINSE TANK	Constructed of #14 gauge, 300 Series STAINLESS STEEL, heated by 6 KW electric immersion heaters (steam coil option is available). Complete with thermometer, pressure gauge and is thermostatically controlled. Uses 3.1 gallons per 30 second cycle and has a 6 gallon capacity.
FINAL RINSE PIPING	300 Series STAINLESS STEEL tubing with brass compression fittings and full cone rinse jets. Optional STAINLESS STEEL fittings and jets are available.
CONTROL AND INFORMATION CENTER	Electrical control panel is NEMA 12 STAINLESS STEEL or optional NEMA 4X STAINLESS STEEL with Square "D" components. 120 volt control circuit with push pad operation of "POWER ON", "STOP", and "SHORT, MEDIUM, or LONG WASH CYCLES". A digital display indicates "TIME REMAINING" for each cycle. LEDs indicate wash, rinse and unload functions. A buzzer is also included to provide an audible indication of time to unload. A programmable controller allows the push pad to be used as a "DIAGNOSTIC CENTER" by displaying "ERROR CODES" for ease of troubleshooting. Moisture resistant gauges measure temperature and pressure for recirculated wash and final rinse. Note: Optional NEMA 4X STAINLESS STEEL panel with push button control and internal adjustable timers is available in lieu of digital push pad operation.
EXTERNAL RINSE HOSE	Externally mounted rinse hose with spray gun for easy cleaning and maintenance of machine.
STEAM EXHAUST VENT	Steam exhaust vent 6 3/4" I.D. consisting of #16 gauge rolled collar for PVC pipe connection welded to the top of the machine. Machine pre-wired with control timer for the addition of a fan.
OPTIONAL EXHAUST FAN	Draft inducer fan, mounted on exhaust duct, to extract excess steam after final rinse cycle. 1/10 H.P. ODP motor, 110 volt, 1 phase, 1550 RPM, rated for 300 CFM at .05" static pressure.
CONNECTIONS	Water Inlet: 3/4" NPT, 120° F. Drain: 1 1/4" NPT Overflow: 1" NPT Steam Option: 1/2" NPT or (2) 1/2" NPT with optional steam heated rinse tank Steam Condensate: 1/2" NPT or (2) 1/2" NPT with optional steam heated rinse tank Gas Option: 1/2" NPT Electrical: Two-point connection, except for 575 volt, which is a single-point.
UTILITIES	See attached Utility Chart for service requirements specific to various combinations of wash and rinse heating.



UTILITY CHART

“DOUGLAS” MODEL GCW-1

GARBAGE CAN WASHER

120 Volt - 1 phase, 5 running amps, 15 amp service breaker plus one of the following (except for 575 volt, which is a single-point connection):

**ELECTRIC HEATED
WASH TANK,
ELECTRIC HEATED
RINSE TANK**

240 Volt - 1 Phase, 60 Running Amps, 80 Amp Minimum Service Breaker
208 Volt - 3 Phase, 39 Running Amps, 50 Amp Minimum Service Breaker
240 Volt - 3 Phase, 36 Running Amps, 45 Amp Minimum Service Breaker
480 Volt - 3 Phase, 18 Running Amps, 25 Amp Minimum Service Breaker
575 Volt - 3 Phase, 16 Running Amps, 20 Amp Minimum Service Breaker

**INFRARED GAS
HEATED WASH TANK,
ELECTRIC HEATED
RINSE TANK**

240 Volt - 1 Phase, 35 Running Amps, 45 Amp Minimum Service Breaker
208 Volt - 3 Phase, 23 Running Amps, 30 Amp Minimum Service Breaker
240 Volt - 3 Phase, 21 Running Amps, 30 Amp Minimum Service Breaker
480 Volt - 3 Phase, 11 Running Amps, 15 Amp Minimum Service Breaker
575 Volt - 3 Phase, 10 Running Amps, 15 Amp Minimum Service Breaker

Gas Consumption: 35,000 BTUs per hour. Supply pressure: minimum 7” w.c. for natural, 11” w.c. for propane and 14” w.c. maximum.

**STEAM HEATED
WASH TANK,
ELECTRIC HEATED
RINSE TANK**

240 Volt - 1 Phase, 35 Running Amps, 45 Amp Minimum Service Breaker
208 Volt - 3 Phase, 23 Running Amps, 30 Amp Minimum Service Breaker
240 Volt - 3 Phase, 21 Running Amps, 30 Amp Minimum Service Breaker
480 Volt - 3 Phase, 11 Running Amps, 15 Amp Minimum Service Breaker
575 Volt - 3 Phase, 10 Running Amps, 15 Amp Minimum Service Breaker

Steam Consumption: 34 lb. per hour at 15 PSI minimum

**STEAM HEATED
WASH TANK,
STEAM HEATED
RINSE TANK**

240 Volt - 1 Phase, 10 Running Amps, 15 Amp Minimum Service Breaker
208 Volt - 3 Phase, 6 Running Amps, 15 Amp Minimum Service Breaker
240 Volt - 3 Phase, 6 Running Amps, 15 Amp Minimum Service Breaker
480 Volt - 3 Phase, 3 Running Amps, 15 Amp Minimum Service Breaker
575 Volt - 3 Phase, 3 Running Amps, 15 Amp Minimum Service Breaker

Steam Consumption: 61 lbs. per hour at 15 PSI minimum

For single-point connection option for 208, 240, or 480 volt, add 2 running amps to total and recalculate service breaker size, which should be at least 125% of total running amps.