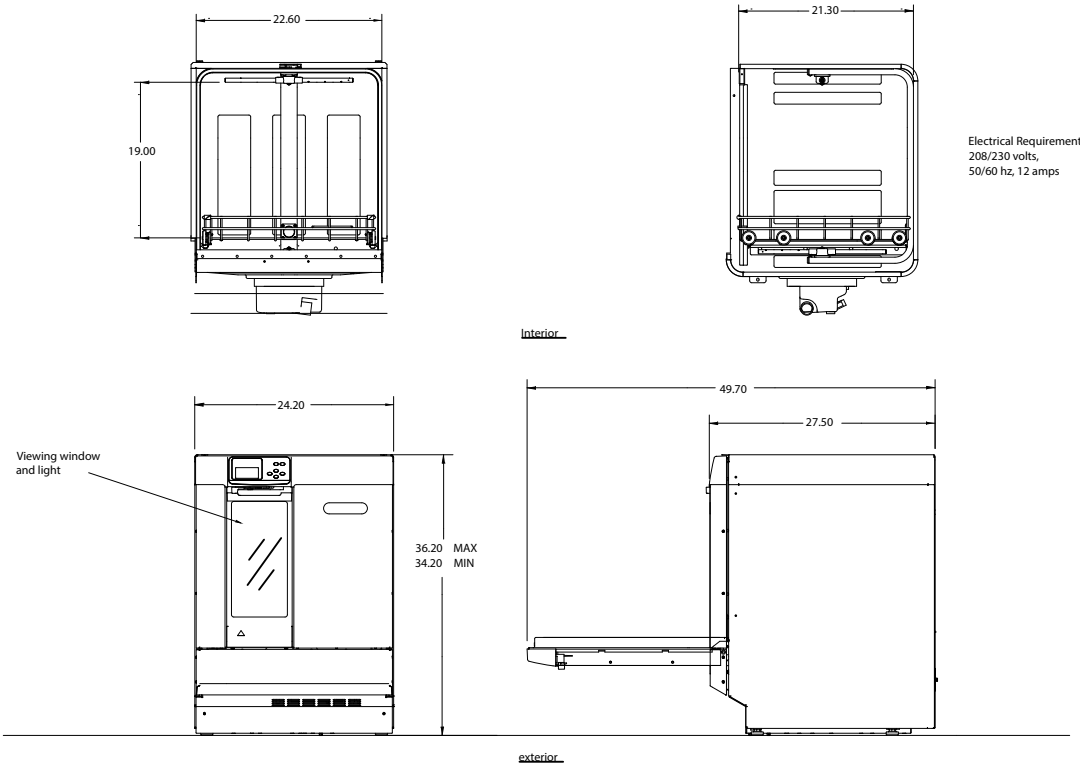

Electrical Requirements:
208/230 volts,
50/60 hz, 12 amps

GENERAL DESCRIPTION

4420431 FREESTANDING FLASKSCRUBBER WASHER

GENERAL FEATURES

* Lower spindle rack, of type 304 stainless steel, with 36 detachable large spindles for washing narrow glassware. Eighteen glassware holders, 36 clips and 10 additional interchangeable small spindles are included. Rack accommodates a variety of inserts for holding breakers, culture tubes and other specialty glassware (inserts sold separately).
* Water temperatures reach 93* C (199*F) on 230 v models to sanitize glassware and for enhanced washing and faster drying.
* LCD information center for customizing cycles and monitoring operation, including internal water temperature (*C or *F).
* Water recalculation rates of 96 gal/min (363 liters) when operated on 230 volt, 50 Hz and 112 gal/min (424 liters) on 230 volt, 60 Hz for thorough cleaning.

* Built in purified water pump to bring non-pressurized or pressurized purified water into the tank for up to six pure water rinses.
* Built in steam generator that produces hot vapor to penetrate and remove dried residue for cleaner glassware.
* Manual detergent dispenser for powder or liquid detergent
* Manual rinse aid solution dispenser
* Built-in forced air drying up to 99 minutes and programmable from 38-70*C (100-158*F)

* Factory cycle programs. All 115 volt models have seven programs: Rinse only, Plastic, Glass, Glass Plus, Scientific, Scientific Plus, and Dry only. All 230 v models have three additional programs for a total of ten: Intense, Intense Plus, and Extreme.
* Alarms with display for HOT GLASS, PLEASE WAIT, WATER HIGH, and OVERFLOW.
* Two user cycle programs
* User delayed start (up to 8 hours)
* Type 304, brushed stainless steel door, tank, upper and lower wash arms. Stainless steel exterior sides and top.

* One piece, stainless steel, fine mesh particle drain filter to trap debris in tank to protect the pump.
* No center water distribution tower allowing for greater glassware capacity.
* Four leveling feet
* 3/8" female NPT inlet fitting for hot tap water connection

* Factory installed drain hose and band clamp
* two year warranty on parts and labor.

requirements

* Minimum inlet water temperature 49*C (120*F)
* Recommended inlet water temperature 60* (140*F)
* Minimum purified water pressure 0 psi
* Water consumption per fill 3.4 gallons (13 liters)
* Hot tap water pressure at the washer 20-120 psi
* Hot tap water flow rate 1.25 gallons (4.7 liters) per minute.
* 3/8" OD copper tubing for connection to the water inlet valve.
* Purified water with supply piping minimum 3/8" ID to permit at least 0.9 gallon (3.4 liters) per minute flow.

Glassware Washer for:

Product Development
Production Engineering
LABCONCO

Labconco Corporation
8811 Prospect Avenue
Kansas City, MO 64132-2696
(816) 333-8811
www.labconco.com

Project Title:

No.	Date

Date: 09/26/07

Drawing # 4420431

Drawn By:

Checked By:

Approved By:

Sheet No.

Project No.