



PARIC CORPORATION
77 Westport Plaza Suite 250
St. Louis, MO 63146
TEL: 636-561-9500
FAX: 636-561-9501

REQUEST FOR INFORMATION **DATE:** July 05, 2017 **NO.:** RFI-582

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Ryan Tune

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Incoming Water Temperature at Glass Washers

Response Required By: July 12, 2017

Drawing / Spec Reference:

Information Requested:

Per the attached email correspondence with Mike Whitworth, the main mixing valve was set for 120 degrees. The glass washers (product data attached) calls for an optimum incoming water temperature of 140 degrees. Please advise if 120 degrees will be acceptable.

Response:

Communication with the manufacturer; The 'FV 40.2 G' Glass Washer will operate with 120 degree water, however the cycles will take a little bit longer to process.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By:

Mike Whitworth - WES

Date:

July 09, 2017

Gates, Devin

From: Michael Whitworth <mwhitworth@webb-engineering.com>
Sent: Tuesday, June 13, 2017 10:06 AM
To: Gates, Devin
Subject: Webster University ISB
Attachments: ANSI_ISEA Z358.1-2014 Standard.pdf; lk723 instruction manual.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Devin,
Per our telephone conversation yesterday with Tom, of DeLuca Plumbing.

Items discussed –

1. Main TMV will be set at 120°F.
2. Emergency shower/eyewash and countertop eyewash will receive tepid water, ANSI defined as 60-100°F. Standard practice is 65-90°F. The owner should be consulted as to the desired water temperature. This would be a temperature that is least reactive with the chemicals the staff could come in contact with. The temperature should be such that comfort is a consideration, which allows a person the full flush time without discomfort. A copy of the standard is attached for reference.
3. The two Surgical Scrub Sinks (SS-1) have an Elkay TMV (LK723), which is adjustable, a copy of the instruction sheet is attached for reference.

Mike Whitworth
Webb Engineering Services, Inc.
1400 S. 3rd Street, Suite 201
St. Louis Missouri 63104-4430
P-(314) 588-0600 ext. 208
F-(314) 588-0604
mwhitworth@webb-engineering.com



The clean solution



FV 40.2 G

HOT WATER SANITIZING UNDERCOUNTER GLASSWASHER

Special Features:

- **Auto Safe temperature control system** - Guarantees 180°F (82°C) sanitizing final rinse temperature, regardless of incoming water temperature
- **Reduced size** - optimized for use as a glasswasher in smaller, space-restricted areas
- **MIKE 2 electronic control system** - advanced micro-computer technology for service diagnostics and end-user dishmachine settings. Includes one-touch operation, one-touch selection of three different cycle lengths, automatic temperature monitoring with digital display, and advanced service diagnostics
- **Active Plus filtration system** - Double filtration of wash water removes food soil, improves washing efficiency and saves detergent while easing cleaning chores
- **Soft Start wash pump** - Protects glasses from chipping or breaking
- **Aqua-Stop** - Automatically stops machine operation and turns off the external fill valve if an internal leak is detected
- **Built-in booster heater with power rinse pump** - Guarantees constant final rinse pressure and temperature for consistent, outstanding results

Standard Features:

- **ENERGY STAR** Qualified
- Capacity **37** racks per hour
- Water consumption **0.66** gallons (2.5 liters) per rack
- Double-wall construction keeps heat inside the machine, reducing energy consumption and heat loss into the dishroom environment
- Variable programmed time cycles - 95, 150 and 210 seconds
- Fully automatic - automatic fill, automatic start, and automatic reset
- Built-in liquid detergent and rinse aid pumps
- Pumped drain for both floor and wall drain applications
- Machine shutdown activates an automatic rinse of the wash chamber to ease cleaning
- Stainless steel non-clogging wash and rinse arms
- Sloped ceiling is safer for the user and prevents dripping of soiled water onto sanitized ware
- Front mounted controls with digital temperature displays
- 3/4 Hp (0.56 kW) wash pump
- 304 and 316L stainless steel construction for corrosion resistance
- Type A air gap system eliminates need for vacuum breaker
- Accommodates coated wire glass rack (included) as well as normal dishracks

Options:

- Stainless steel stand - adds 8" (203mm) to height
- Stainless steel cabinet stand - adds 16-3/4" (426mm) to height
- Inline roller frame - 1-3/8" (35mm) H. Replaces standard legs, overall machine height 34-3/8" (873mm)
- Power cord kit
- Drain water tempering kit

Technical Specifications:

Optimum Capacity:

Racks per hour	37
Dishes per hour	925
Glasses per hour	1332

Optimum Cycle Time (Seconds):

Wash Cycle	80
Dwell / Drain Time	9
Rinse Cycle	6
Total Cycle	95

Water Requirements:

Incoming Water Temperature (Optimum)	140°F (60°C)
Water Consumption per Rack	0.66 gals. (2.50 liters)
Water Consumption per Hour (max.)	24.42 gals. (92.44 liters)
Flow Pressure	8.7-72.5 psi (0.6-5.0 bars)
Incoming Waterline	3/4" garden hose
Drain line size	7/8" ID, 1-1/8" OD flexible hose
Maximum drain flow rate	15 gals. (56.8 liters) per minute

Required Operating Temperatures:

Wash (Minimum)	150°F (66°C)
Rinse (Minimum)	180°F (82°C)

Tank Capacities:

Wash Tank	3.48 gals. (13.17 liters)
Booster Heater	1.71 gals. (6.47 liters)

Electrical Requirements:

Wash Tank Heat	3.27 kW @ 208V, 4.0 kW @ 230V
Booster Heater	3.53 kW @ 208V, 4.32 kW @ 230V
Wash Pump	3/4 HP (0.56 kW)
Approximate Total Load Amps:	
• 208-230/60/1	39.6A @ 208V, 43.2A @ 230V
• 208-230/60/3	32.1A @ 208V, 34.9A @ 230V

Dimensions:

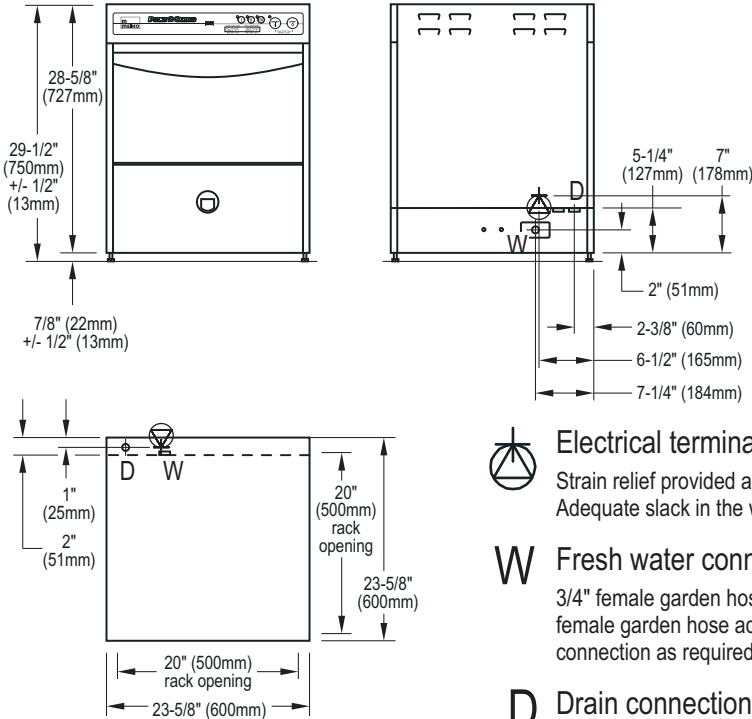
Overall (W x D x H)	23-5/8" x 23-5/8" x 29-1/2" (600 x 600 x 750mm)
Inside Clearance Height	12-7/16" (316mm)
Wall Clearance	Rear 1" (25mm) min.

Machine / Shipping Details:

Shipping Weight	207 lbs. (93.9 kg)
Shipping Size (W x D x H)	28" x 29" x 37" (711 x 737 x 940mm)

Dimensions

All dimensions from floor +/- 1/2" (13mm) due to adjustable feet.
Height is not adjustable if using optional inline roller frame.



Electrical terminal block

Strain relief provided at lower rear of machine. Terminal block is located behind rear panel. Adequate slack in the wiring should be provided to allow the machine to be moved for servicing.



Fresh water connection

3/4" female garden hose supply connection is provided. If using supplied external Y-strainer, female garden hose adapter may be removed to provide 1/2" NPT male or 3/4" NPT female connection as required. Supplied hose is 4' 7" (2616mm) in length.



Drain connection

Requires indirect connection to 1-1/2" (38mm) drain pipe (wall or floor). Supplied hose is 4' 7" (2616mm) long and should be cut to appropriate length at time of installation to allow machine to be repositioned for servicing.

"Auto Safe" Feature

The FV 40.2 G guarantees that the minimum NSF 180°F (82°C) sanitizing final rinse temperature is achieved regardless of the incoming water temperature, even if connected to a cold water line, by automatically extending the wash cycle (if necessary) to provide additional heating time. Listed rack capacity assumes use of recommended 140°F (60°C) water supply. Exact rack capacity is dependent upon the incoming water temperature and on the electrical supply voltage.

Specification

FV 40.2 G Item Number _____

Unit will be an NSF and ETL-listed MEIKO FV 40.2 G hot water sanitizing undercounter glasswasher.

Operating voltage will be:

_____ 208-230 V / 60 Hz / 1 Ph

_____ 208-230 V / 60 Hz / 3 Ph

Per Spec 114000.1

Unit will have front mounted microcomputer controls, a 95 second total time cycle, and utilize 0.66 gallons (2.5 liters) fresh rinse water per cycle. Unit will utilize a fresh water pumped rinse for constant pressure and temperature every cycle. Unit will have integral wash tank soil removal to maintain clean wash water. Unit will have built-in temperature safeguards to guarantee final rinse temperature meets minimum 180°F (82°C) requirement. Wash pump will be equipped with a soft start feature to reduce risk of chipped or broken ware. Unit will incorporate features to stop operation and turn off external fill valve if an internal leak is detected. Unit will have variable time cycles for heavier than normal soil loads. Unit will include built-in liquid detergent and rinse aid pumps.

Note: All specifications are subject to change without notice based on MEIKO's dedicated product improvement program.

This dishwasher is compliant with the Reduction of Lead in Drinking Water Act (2011) amendment to the Safe Drinking Water Act (SDWA).

