CUSTOMER: .....

REFERENCE: .....

GETINGE

GETINGE GROUP

GETINGE 88-SERIES WASHER DISINFECTORS

PRODUCT SPECIFICATION

PRODUCT

The Getinge 88-Series (GETINGE 88 TURBO) is a fully automatic, microprocessor controlled, Washer Disinfector (WD). The washer has a capacity of 15 DIN trays with short process time including drying.

Processing cycles are factory programmed with recommanded treatment parameters for pre-rinsing, cleaning, post-rinsing. thermal disinfection, final rinsing and drying. Validated programs are secured by access code. Detergents and rinse agents are automatically dispensed during cycle. The Getinge 88-Series washer is standard as double door model with automatically operated doors.

INTENDED USE

The Getinge 88-Series are Washer Disinfectors for washing, intermediate level disinfection and drying of surgical instruments (rigid and tubular), hollow ware, wash bowls, containers, laboratory glass and anesthetic accessories. Critical items, such as invasive surgical instruments and anesthesia devices, must be further processed by terminal sterilization before use in any procedure.

The receptacles should be loaded in correct loading equipment recommended by Getinge Disinfection AB to comply with EN ISO 15883. The customer is responsible that Installation Qualification, Operating Qualification and Performance Qualification are performed when EN ISO 15883 compliance is required.

KEY FEATURES

- Getinge 88-Series is standard WD equipped with process tank, booster tank and drain tank.
- Short process time is achieved by utilizing large quick opening valves between the process tanks and the circulation sump.
- Cleansable spray arms are located at the top and bottom of the chamber.
- Wash carts are equipped with cleansable spray arms between each shelf to allow water to reach all surfaces to be cleaned.
- Injection wash carts automatically connect to water and drying air in order to clean and dry the inside of tubular items.
- The drying air is pre-heated in a unique heat exchanger, which also is a condensor for the outgoing air. This energy-saving process means shorter drying times and reduced energy consumption.
- The Getinge 88-Series is standard equipped with independent temperature monitoring and validation test port according to EN ISO 15883.
- Ciruclating water pressure monitoring is a standard feature.
- Data interface RS232 + RS485 are standard as well as differential pressure monitoring of HEPA filter for drying.
- All electrical components are easily accessibly within a pull-out cabinet.
- Getinge 88-Series has a built in self cleaning debris filter.
- Automatic drying sensor adjust drying time on humidity thus reducing cycle time and energy consumption.
- Getinge 88-Series can be equipped with audible alarm that alerts operators if error code occurs.

QUALITY STATEMENT

Confidence in the Getinge Group is the most important quality criterion. It must be the hallmark of all our external and internal commitments, activities and products. Products and service supplied by Getinge must conform to the agreed terms and expectations to ensure recommendations for further business. The achievement of these quality goals is the basis for continued completive and successful enterprise.

CUSTOMER: .....

REFERENCE: .....

STANDARDS AND CODES

Getinge 88-Series Washer Disinfectors complies with following standards and codes:

- MDD 93/42/EEC (Medical Device Directive)
  Certificate 41314824 issued by Intertek Semko AB, Code 0413
- ETL/SEMKO (Testing Laboratories Inc.)
  Standard: IEC 61010-1, EN 61010-1, IEC 61010-2-040, UL 61010A-1, CAN/CSA-C22.2 No 1010.1-92
- EMC (Electromagnetic Compatibility)
  Product Standard: 61326-1
  Product Family Standard: EN IEC 60601-1-2:2004
- DVGW (Deutscher Verein des Gas- und Wasserfaches EV.)
  Standard: DVGW W 507
- Microbiological test
  Standard: SPRI Specification 74203
- EN ISO 15883

ORDERING INFORMATION

PRODUCT SELECTION FOR ORDERING

For ordering tick in your selections.

❑ Standard choice ❍ Optional choice

CONFIGURATION

❑ Double door with window, automatic

HEATING

❑ Steam washer and booster heating with floor connection of steam. Electrical dryer heating.

SUPPLY VOLTAGE

Steam Heated Washer

On the steam heated models the water heating elements in booster tank and circulation system are heated by facility steam. The dryer is always electrically heated.

❑ 240 V, 3+PE 60 Hz

❑ 208 V, 3+PE 60 Hz

WATER VALVES AND CONNECTIONS

❑ Cold + warm + purified water, top connection with valves.

DOSING PUMPS

As standard three dosing pumps for process chemicals are supplied. All pumps are fitted with flow monitoring. Dosing pump 3 for instrument lubricant.

❑ Dosing pump 3 for enzyme wash.

PREPARATION FOR AUTOMATIC LOADING EQUIPMENT

Getinge 88-Series is designed for manual or automatic loading/unloading. When using automatic loading/unloading the washer needs to be prepared with interfaces to the loading/unloading systems.

❑ No automatic loading.

❍ AGS.

❍ Loading station only.

❍ Unloading station only.

❍ Loading & unloading station.

ADDITIONAL OPTIONS

❍ Built-in printer, soiled side.

❍ Built-in printer, clean side.

LANGUAGE

Operator displays and manuals are available in a selection of languages. Other information and manuals are in English.

Documentation are available for all EU languages except for Greek.

Please state wanted language below

Other documentations and manuals are in English, French, German or Swedish.

WASH CARTS

The Getinge 88-Series is very flexible when it comes to the varity of items to be cleaned and disinfected. For most purposes standard wash carts are available. For more detailed information we refer to catalogue “Loading Equipment Getinge Washer-Disinfector.

DOCUMENTATION

Machine delivery includes 1 set of the following documentation:

- User Manual
- Service Manual
- Installation Manual
- Standard Spare Part List
- Quality Inspection Certificate
- Test temperature diagram
- Declaration of Conformity

The documentation is supplied as paper copy apart from Standard Spare Part List and Service Manual, which are supplied in CD format.

DISCLAMIER
Do not use this product specification for installation of equipment. Subject to change without notice.

Advisory Note: Getinge 88-Series Washer/Disinfectors perform a critical cleaning and microbial reduction step in the processing of soiled reusable medical devices. Medical devices that will be used in sterile areas of the human body or will be contacting compromised tissues, must be terminally sterilized before each subsequent use in a human patient.

STANDARD DESIGN FEATURES

VIP Glass Doors (VIP = View-in-process) – Glass doors provide a full-size viewing inside the chamber. The door consist of two layers of safety tempered glass, which provides excellent sound and heat abatement, as well as an extra measure of operator safety.

Double Door Pass Through – Door interlocks assure integrity of barrier wall by allowing only one door to be open at any given time.

Fine and Gross Debris Filters – One self cleaning fine debris filter is located at the chamber bottom to filter water before entering the drain. Upon completion of the draining phase the filter is back-flushed and cleaned of debris. The gross debris filter is located on the top of the filter arrangement and is easily removable for manual cleaning.

Top or Bottom Mounted Filling Valves – There are up to three water inlets on the top of the chamber. Filling through top of chamber eliminates dead legs and provides the air-break to protect potable water from cross-contamination. The utility connections can either be top or bottom mounted.

Process tank - Hot and cold incoming process water will fill the Process tank before entering the wash chamber. During a wash cycle the Process tank is always filled with water to be used in the next wash phase. This method of filling the chamber reduces the time delay to fill from building supply.

High-Volume/Low-Pressure Wash – Solution from the sump is pressurized by a pump and sent through the heat exchanger before entering the upper and lower spray arms and cart docking systems. The pump has a speed controlled motor. Low speed is always kept during rinse phases. This way of operation saves cycle time and consumption of utilities.

External Process Heat Exchanger – Solutions from the wash pump are forced through a powerful external steam heat exchanger to rapidly elevate and maintain process water temperature at specified set point. The heat exchanger is integrated in the manifold pipe.

Booster Tank - A standard steam heat exchanger enclosed in a separate stainless tank elevates the water temperature for final rinse/disinfection water. The water is pumped to the process tank before filling the chamber sump.

Jet-Spray Washing – Spray arms are fixed at the top and bottom of the chamber. Wash carts are equipped with spray arms under each shelf to allow water and detergent to reach all surfaces to be cleaned. Carts with spray arms and injection wash carts automatically connect to water and drying air systems.

Automatic Chemical Dispensing – Getinge 88-Series provides chemical dosing pumps with time/volume base control. Pulse based flow monitoring and control is standard.

Drain Tank – Hot process solutions from the wash chamber are rapidly dumped to the drain tank via a large drain valve.

Drain Pump – Wash and rinse solutions are pumped to the building waste system from the drain tank via the water trap.

Drain Cooling – As hot solutions from drain tank and condensate from the heat exchanger enter the water trap, cold water is automatically injected to reduce the temperature to 60°C (140F) or less before the discharge enters the building waste system.

Process piping – valves, external heat exchanger, steam coils, manifold tubes, sump base, removable filter screens and chamber are made of AISI 316 stainless steel. AISI 316L stainless steel sanitary tri-clamp fittings are used for easy removal of key process components. Gaskets and hoses are EPDM, PTFE or Silicone.

Cycle recording – Cycle performance data can be printed or sent via NetCom during the cycle and at cycle completion. The cycle information includes cycle number, cycle start date and time, phase transition points, disinfection quality and cycle alarms that occurred during the cycle.

NON-RECIRCULATED VENTED DRYING SYSTEM

Brushless Fan Motor – Fresh air is pulled into the dryer unit by two powerful fans. Unique brushless motor produces no carbon dust that can contaminate air filters and heating elements, resulting in longer fan life and lower maintenance costs.

Drying Heater and HEPA Filter – The fans force air through the electric heating elements at high velocity. Drying air is quickly heated and filtered in a H14 HEPA filter before entering the chamber via the manifold pipe. The hot air rapidly reaches all surfaces of the load through all spray arms. This uniqe mode shortens the drying time.

Drying Heat Exchanger – Hot air leaving the chamber passes through the heat exchanger in vanes touching the incoming fresh air. Heat energy is transferred to the colder, incoming air, increasing its temperature before it reaches the heating element. Warmed fresh air reduces the energy required to achieve maximum temperature. Meanwhile, the cool fresh air creates condensation in the moist hot air leaving the heat exchanger. The condensation droplets are piped to the water trap and then to the drain.

Drying Sensor - An optional drying sensor installed in the drying pipe controls the humidity of the drying air. The result is shorter drying times for partial loads.

Non-Recirculated Drying Air – In accordance with European standards to reduce risk of cross-contamination, hot chamber air is not recirculated over the load.

CONTROL SYSTEM

PACS 350 Microcomputer Controls

The PACS 350 modular PLC control system is dedicated to the control, operation and maintenance of Getinge sterilizers and washer/disinfectors, featuring:

- 8 MB RAM CPU processor with battery backup
- Digital inputs and outputs for machine control
- Analog measuring inputs
- Analog output for fan speed control
- 2x RS-232 COM port for serial communication
- RS-232/RS-485 COM port for T-DOC / Process record connection
- 10-30 cycle program memory

The PACS 350 controls all system functions, monitors system operations, both visually and audibly alerts the operator of cycle malfunction and on demand, provides visual indication of the chamber temperature.

OPERATOR CONTROL PANEL

The machine is controlled and operated from the control panel to the left of the soiled-side door. The panel interface is a durable LCD display with two rows with 20 character on each row. A screen saver extends the life of the backlit LCD display. Touching any key illuminates and reactivates the display.

Following indicators and function keys are located on the operator panel:

- Process Running
- Process Complete
- Alarms
- Reset Alarms
- Start Cycle
- Program selection 1-6

The software has a memory for up to 60 programs. However, there are normally 10-30 standard programs installed. Below the screen there are six programmable bottoms for the most common programs. The other programs are reachable by entering the service menu.

Double door pass-through units are provided with a small operating panel at the unload door.

- Cycle status indicators
- Close Door Button

OPERATING PANEL ON SOIL SIDE

CYCLE DESCRIPTION

Prerinse – The chamber is filled with cold water from the prefilled process tank. The circulating pump is soft started and water is circulated through the spray system under full pump pressure.

Wash – Cold or warm water fill the chamber from the prefilled process tank. A peristaltic dosing pump automatically adds a programmed amount of chemical cleaning agent. Once set point temperature has been achieved, the controller will time the wash and then terminate the wash phase. Filling and emptying is done via quick opening membrane valves in 15 seconds each.

Rinse – Fresh hot water fills the chamber from the process tank. Water is forced through the external heat exchanger into the spray manifold nozzles and onto the load. Filling and emptying is done via quick opening membrane valves in 15 seconds each.

Final Rinse / Disinfection – Fresh water from the final rinse booster tank is pumped to the process tank and then fills the chamber. If chemical is required, a programmed amount of liquid is automatically added. Once set point temperature has been achieved, the controller

will time the thermal rinse. Filling and emptying is done via quick opening membrane valves in 15 seconds each.

Drying – After Final Rinse/Disinfection the drying starts. Once the set drying time has elapsed the cycle is completed and the door can be opened. With partial loads optional drying sensor will further reduce the drying time.

STANDARD SAFETY FEATURES

Illuminated Chamber – Wash chamber is equipped with one (1) halogen lamp mounted through the ceiling to illuminate the chamber for safe operations.

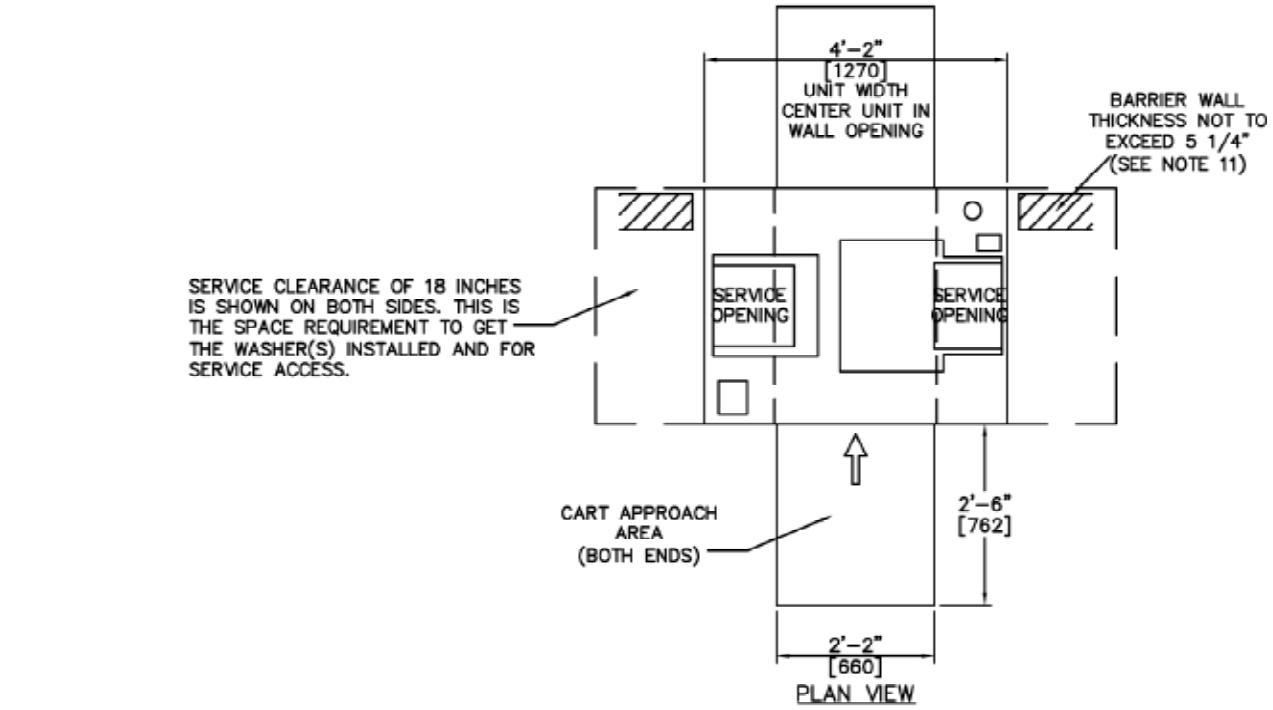
Door Obstruction – If the moving door contacts an obstruction while the washer is closing the door, the door will reverse and go back to open position. The door can be closed again when the obstruction is removed.

Door Interlock Switches – The PACS controls will permit only one door to be unsealed and open at any given time during normal operations. Alternating door operation helps maintain integrity of the barrier wall.

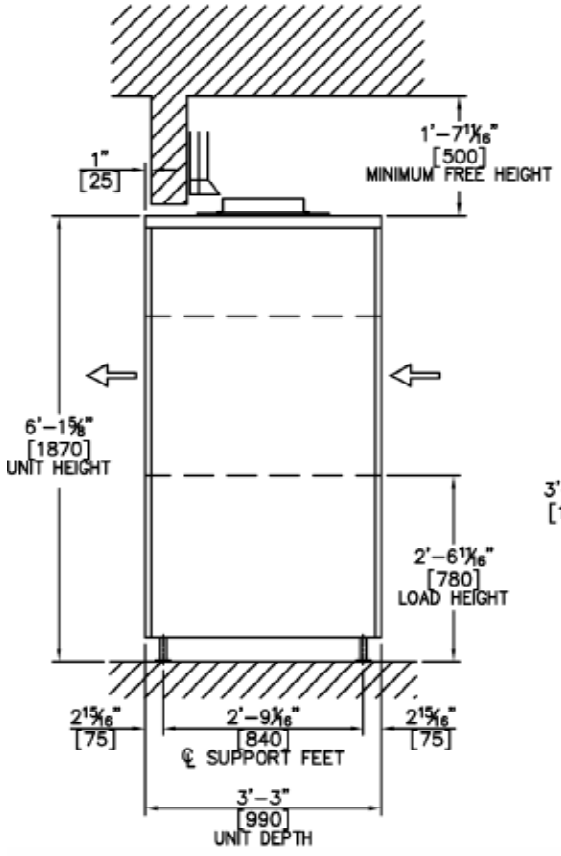
Low Chemical Alarm – Low level sensor in the wand will automatically send a low chemical alarm to the message screen to alert operators. Controller allows one cycle to run with liquid in the lines. Chemical container must be replaced or re-filled before controller will allow subsequent cycles to be run.

GETINGE 88-SERIES OUTER DIMENSIONS IN MM

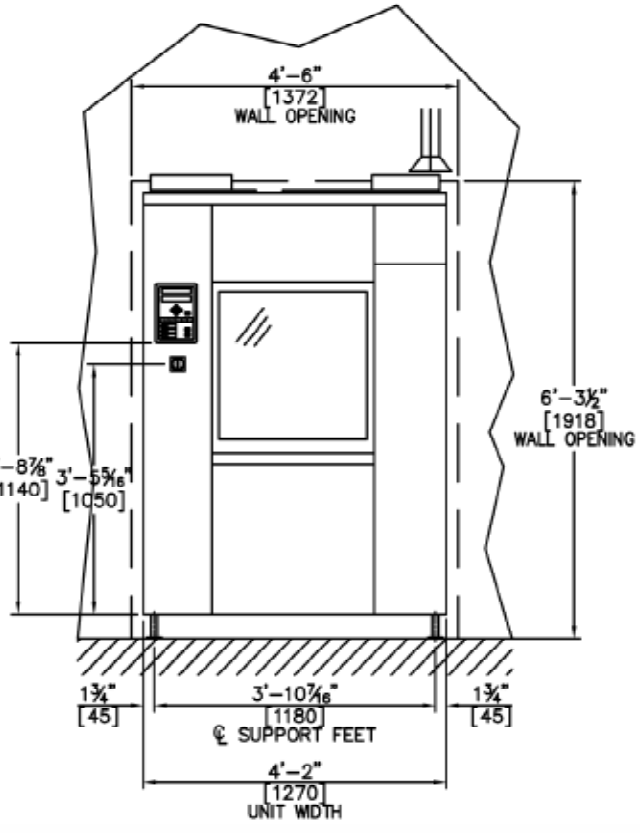
88–SERIES WASHER/ DISINFECTOR
DOUBLE DOOR
RECESSED ONE WALL ONLY



PLAN VIEW

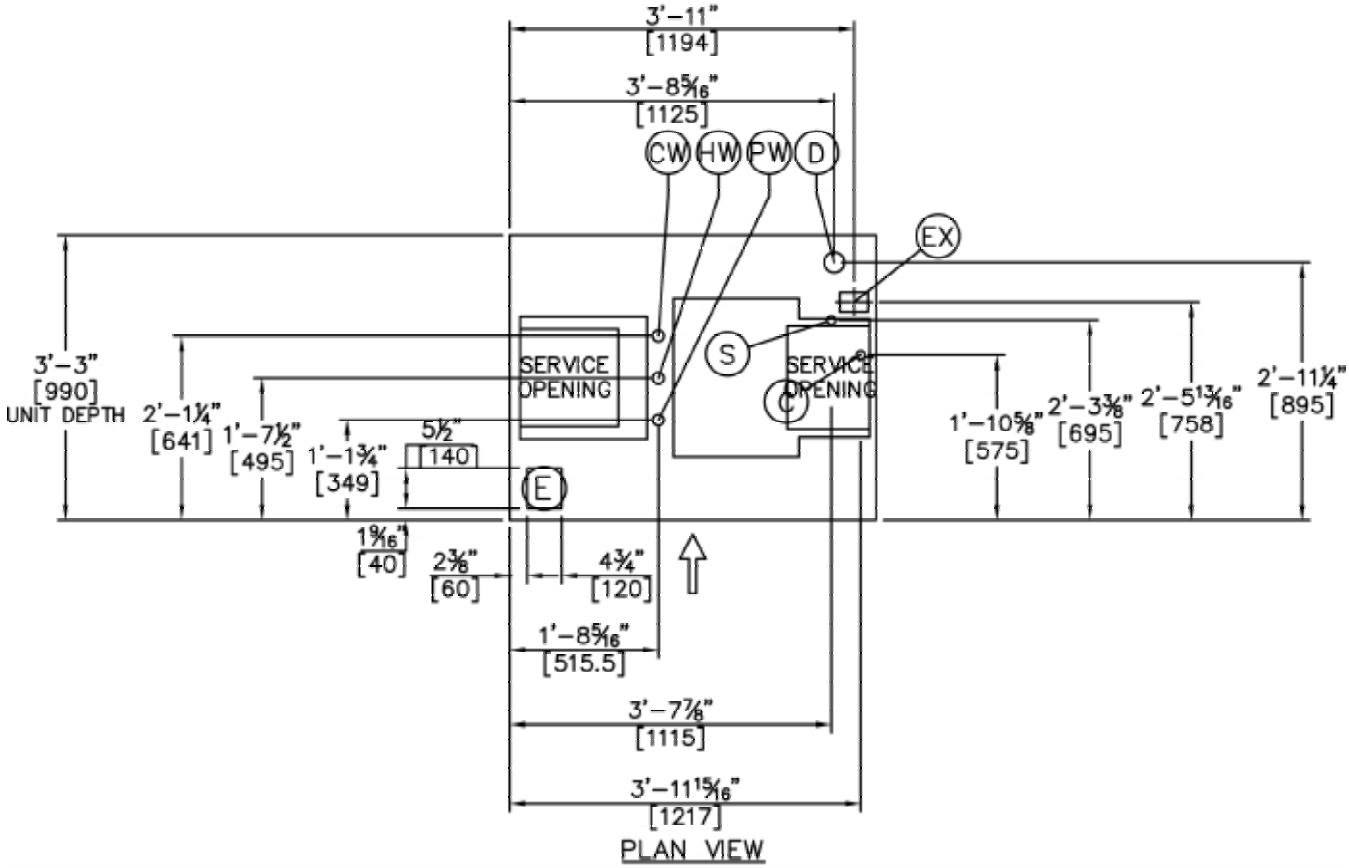


SIDE ELEVATION

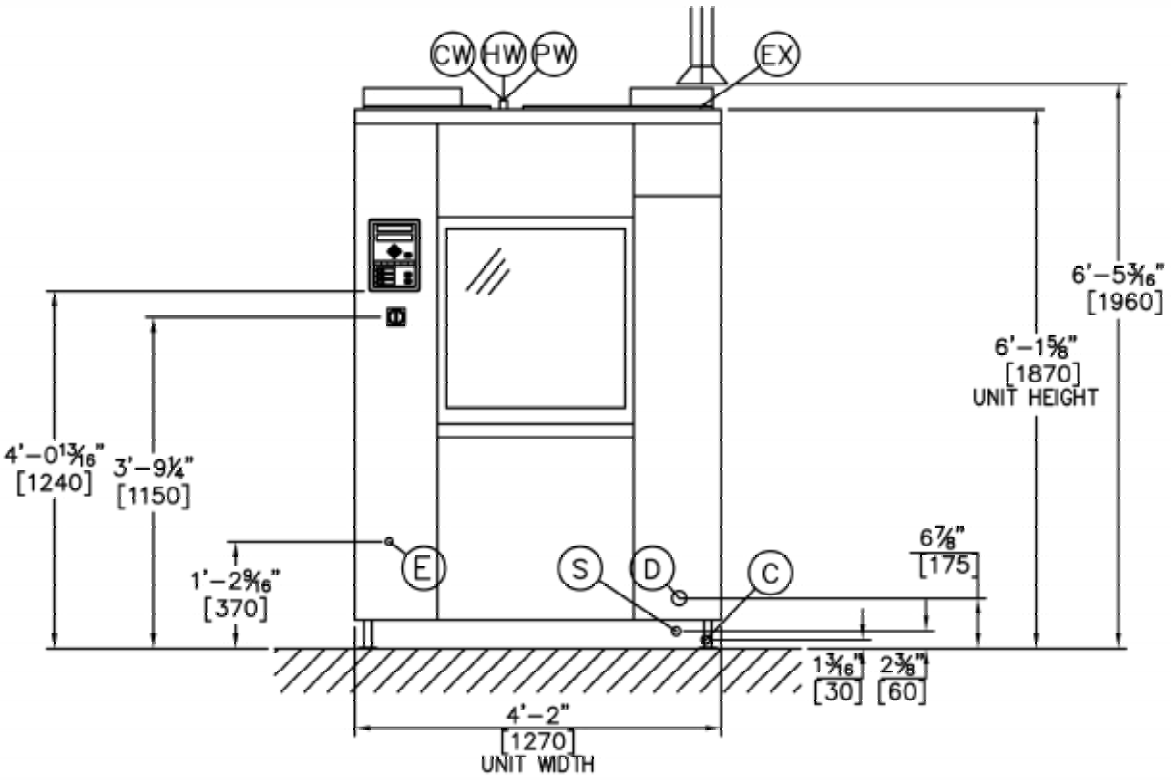


FRONT ELEVATION
LOAD END

88–SERIES WASHER/ DISINFECTOR
UTILITY CONNECTION LOCATIONS



PLAN VIEW



FRONT ELEVATION
LOAD END

GETINGE 88-SERIES - TECHNICAL DATA

NOTICE: WORK BY OTHERS

SAFE AND EFFICIENT OPERATION OF THIS PRODUCT IS DEPENDANT UPON THE OWNER/ USER PROVIDING THE SERVICES SPECIFIED HEREIN AS WELL AS ANY OTHER NORMALLY ACCEPTED ELECTRICAL, MECHANICAL, OR PLUMBING INTERFACE BETWEEN USERS SUPPLY AND THIS PRODUCT. GETINGE, INC. WILL NOT ASSUME RESPONSIBILITY FOR PROBLEMS THAT RESULT FROM NONCOMPLIANCE WITH THE INDICATED CONDITIONS. THE FOLLOWING CONDITIONS AND SERVICES ARE REQUIRED FOR THIS EQUIPMENT AND ARE TO BE PROVIDED BY OTHERS.

IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO COMPLETE ALL ELECTRICAL CONNECTIONS USING PROPERLY SIZED WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES. SEE THE GETINGE INSTALLATION MANUAL FOR SPECIFIC INSTRUCTIONS.

WATER AND STEAM LINE SHUTOFF VALVES AND ELECTRICAL DISCONNECT SWITCH(ES) MUST BE PROVIDED AT EACH. WASHER

ON UNIT CONNECTION	SERVICES PIPE SIZE TO WASHER	PRESSURE RANGE DYNAMIC	FLOW RATE	TEMPERATURE RANGE REQUIREMENT	CONSUMPTION PER CYCLE
(CW) =COLD WATER * 3/4"(20mm) FEMALE	1"NPT (25mm)	30–70 PSIG (200–482 kPa)	8–10 GPM (30–40 l/MIN)	50–68° F (10–20° C)	10.6 GAL/PRE–RINSE (40 LITERS)
(HW) =HOT WATER * 3/4"(20mm) FEMALE	1"NPT (25mm)	30–70 PSIG (200–482 kPa)	8–10 GPM (30–40 l/MIN)	113–140° F (45–60° C)	10.6 GAL/WASH PHASE (40 LITERS)
(PW) =PURIFIED WATER * 3/4"(20mm) MALE	1"NPT (25mm)	30–60 PSIG (200–415 kPa)	8–10 GPM (30–40 l/MIN)	NOT TO EXCEED 140° F(60° C)	8.5 GAL/RINSE PHASE (32 LITERS)
(D) =DRAIN ø3"(75mm) OUTLET	4" DRAIN PIPE (100mm)	N/A	25 GPM WASTE LINE (90 l/MIN)	SEE NOTE #3	38–47 GAL/CYCLE (144–174 LITERS)
(EX) =EXHAUST 4 X 2–3/4"(100 X 70mm)	ø4"BUILDING VENT SEE NOTE #5	N/A	206–222 CFM (350–375 m3/h)	85–95° F (29–35° C)	N/A
(S) =STEAM ** 1/2"(13mm) FEMALE	3/4"NPT (20mm)	43–72 PSIG (300–500 kPa)	3.3 LB/MIN (1.5 kg/MIN)	320° F MAX (160° C)	33–49.5 LB/CYCLE (15–22.5 kg)
(C) =CONDENSATE RETURN 1/2"(13mm) FEMALE	3/4"NPT (20mm)	< 5 PSI (34 kPA) BACK PRESSURE	N/A	N/A	N/A RECLAIMED STEAM WATER
(A) =COMPRESSED AIR SEE NOTE #15 3/8"(10mm) QUICK CONNECT	3/8" (10mm)	60–90 PSIG (400–620 kPa)	7 CFM	N/A	N/A

* SEE WATER QUALITY NOTE #14

** CONSUMPTION BASED ON INCOMING STEAM TEMPERATURE

(E) =ELECTRICAL	RECOMMENDED SERVICE DISCONNECT	FULL LOAD AMPS
STEAM HEATED		
240V 3PH 60Hz	C25	21A
208V 3PH 60Hz	C30	24A
ELECTRIC HEATED (NOT AVAILABLE IN THE US)		

GETINGE 88-SERIES - TECHNICAL DATA

OPERATING CONDITIONS		
ROOM TEMPERATURE		<41–104° F(5–40° C)
AIR HUMIDITY		80% AT 87° F(31° C)
RADIANT HEAT LOSS		MAX 5123 BTU/HR (1500W) AT 194° F(90° C) ON SOILED AND CLEAN SIDE
HEAT TO EXHAUST		MAX 20491 BTU/HR (6000W) DURING DRYING
MAX SURFACE TEMPERATURE		123° F(50° C)
NOISE LEVEL		60–69 dBA
WEIGHTS AND DIMENSIONS		
WIDTH	50"	(1270mm)
DEPTH	39"	(990mm)
HEIGHT	73 5/8"	(1870mm)
MATERIAL OF CONSTRUCTION		STAINLESS STEEL AISI 304, FINISH: Ra 0,45–0,7
EFFECTIVE CHAMBER DIMENSIONS		
WIDTH	26 3/16"	(665mm)
DEPTH	31 1/2"	(800mm)
HEIGHT	26 1/4"	(667mm)
MATERIAL OF CONSTRUCTION		STAINLESS STEEL EN 1.4404, ASTM 316 L, FINISH: RA 0,04
WEIGHT AND FLOOR LOADING		
TOTAL WEIGHT	1764 LBS	(800 KG)
LOADING PER FOOT (4 FEET IN TOTAL)	441 LBS	(200 KG)
SPECIFIC FLOOR LOADING	0.899 PSI	(6.2 kN/m²)

NOTES - ARCHITECTS AND CONTRACTORS

1.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO INSURE BY USE OF PRESSURE REGULATORS OR OTHER MEANS THAT MAXIMUM SPECIFIED PRESSURES ARE NOT EXCEEDED. DYNAMIC PRESSURE IS MEASURED DURING FLOW CONDITIONS. STATIC PRESSURE SHALL NOT EXCEED 60 PSIG(400kPA) FOR ANY SERVICE CONDITION. PRESSURE TO BE MEASURED AT POINT OF CONNECTION TO THE WASHER.

A SEPARATE SUPPLY PUMP MUST BE USED IF PRESSURE OF PURIFIED RINSE IS BELOW 8 PSIG(50kPA)

2.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO ELIMINATE WATER HAMMER CONDITIONS SHOULD THEY OCCUR IN THE SERVICE PIPING. IF REQUIRED, SHOCK ARRESTORS OR PRESSURE REGULATORS WOULD BE PROVIDED AND INSTALLED BY THE CUSTOMER.

3.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A PROPERLY SIZED AND LOCATED DRAINAGE SYSTEM IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE. THE DRAIN LINE PROVIDED BY THE CUSTOMER MUST ACCOMMODATE A MINIMUM FLOW OF 25 GPM(90 l/MIN). CONSIDERATION SHOULD BE GIVEN TO OTHER EQUIPMENT DUMPING INTO DRAIN LINE TO PREVENT SLOW DRAINAGE, BACK-UP, OR OVERFLOW.

WITHOUT DRAIN COOLING THE VOLUME IS >13 GPM(50 l/MIN) WITH A TEMPERATURE UP TO 194° F(90° C). WITH DRAIN COOLING THE VOLUME IS >24 GPM(90 l/MIN) WITH A TEMPERATURE UP TO 140° F(60° C).

4.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO INSTALL THE WATER BACK FLOW PROTECTORS AND STRAINERS.

5.) WHEN VENTING THE DRYING EXHAUST, IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A VENTING SYSTEM CAPABLE OF EXHAUSTING 206 CFM(350 m3/h) MEASURED AT THE POINT OF CONNECTION TO THE WASHER. THE VENTING SYSTEM SHALL HAVE AN AIR GAP OF AT LEAST 3 1/2"(90mm) DIRECTLY AFTER THE MACHINE EXHAUST IN ORDER TO CLEAR TOP SERVICE ACCESS OPENING. THE DIAMETER OF THE VENTING SYSTEM EXHAUST HOOD WILL NOT EXCEED ø6".
NOTE: THE HIGH WATER VAPOR CONTENT AND TEMPERATURE (194° F MAX)(90° C MAX) OF THE EXHAUST MAY REQUIRE A SEPARATE DEDICATED EXHAUST. DUCTING AND EXHAUST FAN ARE TO BE CONSTRUCTED OF MATERIALS UNLIKELY TO BE AFFECTED BY MOISTURE. THIS INCLUDES BUT IS NOT LIMITED TO, CORROSION. DUCTING SHALL BE SEALED TO PREVENT LEAKING, AND CONSTRUCTED TO PERMIT DRAINAGE OF CONDENSATE.

6.) WHEN NOT VENTING THE DRYING EXHAUST, IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO ASSURE THE SPACE CAN HANDLE THE HOT VAPOR LADEN AIR FROM THE DRYING HEAT EXCHANGER PER NOTE 5.

7.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO COMPLETE ALL ELECTRICAL CONNECTIONS USING PROPERLY SIZED WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

8.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A FUSED DISCONNECT SWITCH IN ALL ELECTRICAL SUPPLY LINES AT THE WASHER LOCATION, AS REQUIRED BY LOCAL CODES.

9.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO LEVEL THIS EQUIPMENT.

10.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE NON-SLIP FLOORING IN THE AREAS DEFINED AS "APPROACH AREA" ON PLAN VIEW OF THIS DRAWING.

11.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE THE BARRIER WALL SEPARATING SOILED AND CLEAN AS REQUIRED. MAXIMUM THICKNESS IS 5 1/4"(133mm).

12.) REMOTE DETERGENT CONTAINERS ARE TO BE WITHIN 60"(1524mm) OF THE UNIT AND ELEVATED NO MORE THAN 24"(610mm) ABOVE THE SUPPORTING FLOOR, UNLESS AN ALTERNATE DISTRIBUTION SYSTEM WILL SUPPLY THE WASHERS.

13.) IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO PROVIDE SHUTOFF VALVES FOR INCOMING HOT WATER, COLD WATER, PURIFIED WATER, STEAM, AND CONDENSATE(OPTION). THE VALVES ARE TO BE IN CLOSE PROXIMITY OF THE WASHER/ DISINFECTOR, BELOW THE CEILING, AND ACCESSIBLE TO SERVICE PERSONNEL.

14.) CLEANING PERFORMANCE OF THIS PRODUCT IS BASED ON POTABLE WATER OF GOOD QUALITY. THE QUALITY OF THE HOT AND COLD WATER SUPPLIES SHOULD BE CHECKED PRIOR TO INSTALLATION. WHEN PURIFIED WATER IS USED FOR THE FINAL RINSE, RESISTIVITY MUST BE BETWEEN 50,000-200,00 OHMS TO AVOID HARMFUL AFFECTS.

15.) COMPRESSED AIR IS ONLY REQUIRED WHEN THE AUTO LOAD AND/OR UNLOAD STATION IS CONFIGURED FOR THE WASHER. AIR TO BE FREE OF OIL AND WATER.

HC_WSDS_PS_88Turbo_0710_EN_US PS07-0001 Product specification, Edition D, 2008-09-11/jt

COMPLETE SOLUTIONS FOR INFECTION CONTROL

Getinge is the world's leading provider of solutions for effective cleaning, disinfection and sterilization in the healthcare and life science sectors. We are dedicated to helping our customers provide better care at a lower cost. We do this by offering well-thought-through and customized solutions. This means that we are with our customers all the way from architectural planning and education to traceability and support – with complete solutions, long-term commitment and global presence. Getinge – Always with you.

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