DETAIL SPECIFICATION

"AERVOID" JET CAN-WASHER AND SANITIZER
ALL NEW DELUXE MODEL NO. 5-B
"IT KILLS BACTERIA"

Covered By One Or More Of The Following Patents: U.S. Pat. Nos. 2,993,246 & 3,069,094; Canada 1963; Other Pats. Pending.

All Materials Corrosion Resistant — Especially Desirable for Humid Climates, Ships, and Similar Installations Using Salt Water. Complete with Cyclonic Rotary Jet Nozzle, Safety Locks, Check Valves, Vacuum Breaker, Etc.

IT IS NON-ELECTRICAL

IT PRE-RINSES — IT WASHES — IT SANITIZES — IT RINSES — IT DISPOSES — IT DEODORIZES
IT ALSO PRE-HEATS INSULATED CONTAINERS

ITS ABILITY TO DO THE "WHOLE JOB" IS REVOLUTIONARY COMPARED TO ORDINARY CABINET AND OTHER SO-CALLED "WASHERS" OR "MULTI-WASHERS" THAT MERELY RINSE

The purpose of this model is to clean and sanitize all small or large, round, square or oblong, garbage, refuse, waste and food cans, drums, barrels and other containers with overall diameters or diagonal dimensions up to 25 inches (without limitations of height) and with open ends or center openings having diameters not less than 4 inches, also to pre-heat all "AerVoiD" and other insulated food and beverage containers.

"IN FULL COMPLIANCE"

(Equipment That Is Unsanitary Cannot Create Sanitary Conditions)

It shall be "In Full Compliance" with the design, construction and performance requirements of the U. S. Public Health Service (Food Service Sanitation Manual Pub. No. 934) and its Inter-State Quarantine Regulations; the sanitary requirements of the American Society of Sanitary Engineering; and the applicable State and local plumbing laws, Ordinances and Codes throughout the United States, when installed and operated in accordance with them. It should be installed by a licensed plumber familiar with such local regulations.

DIMENSIONS & WEIGHTS

HEIGHT, Overall (Without Vacuum Breaker)	29-1/4”
HEIGHT, Bowl, Overall (Excl. Nozzle)	24"
HEIGHT, ROTARY NOZZLE (Above Rim of Bowl)	5-3/8”
DIAMETER, Overall	27”
DIAMETER, BOWL, Inside	25"
DIAMETER, ROTARY NOZZLE, Overall	3-5/8"
DEPTH, BOWL	4-3/8”
WEIGHT, NET	50 lbs.
WEIGHT, CRATED FOR DOMESTIC SHIPMENT	71 lbs.

The above weights do not include Accessories or Extra Plumbing Parts. The unit is shipped completely assembled except attachment of nozzle, nozzle guard and drain screen.

This model shall be designed, as herein illustrated, for fast foot pedal operation for pre-rinsing, washing, sanitizing, deodorizing and final rinsing of the interiors of containers and disposal of fluid residues, (depending on the installation and the temperature of the hot water supply) also for pre-heating all "AerVoiD" and other insulated containers.

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The unit shall include all parts illustrated in Fig. No. 2 (This excludes the extra parts required for plumbing installations, as listed under "Plumbing Installations" section). It shall have the dimensions and weights as shown on page 1, subject to manufacturing tolerances, be capable of delivering hot water at the required sanitizing temperature on contact with all inner surfaces of containers, when installed as recommended and have provisions for the attachment of accessories necessary for cleaning exterior surfaces of containers and all surfaces of appendages as herein specified. Electricity shall not be required to operate this model or any of its accessories so specified.

PARTS, MATERIALS AND CONSTRUCTION BOWL

ASSEMBLY

The bowl assembly shall include a round bowl of seamless construction, with deep self-rinsing contour and a stainless steel 1-1/2” male threaded connection for drainage, an open safety rim formed by a cleanable outward roll; a spoke hub and four (4) cross spokes of 1/2 inch (heavy duty) stainless steel rod stock for attachment and elevation of the nozzle above the rim of the bowl (to prevent backflow, and elevate containers to prevent their re-contamination); a removable tubular drain screen; a 3-directional rotary jet spray nozzle; and a nozzle guard. All of these parts (excluding the nozzle, which shall be made as herein specified) shall be made of corrosion resisting steel (stainless steel), series 302, 303 or 304 (18-8). The drain connection and spoke hub shall be attached to the bowl, and the cross spokes to the hub and the bowl, by welding. The bowl shall be attached to the pedestal assembly by the riser tube and three (3) stainless steel stud bolts and be replaceable.

PEDESTAL ASSEMBLY

The pedestal assembly shall include a pedestal with a round conical base having scalloped openings (to permit cleaning and aerating under surfaces) and a provision for floor attachment; two (2) pedal arms suspended from the pedestal, each with non-skid tread and an automatic safety lock, all made of cast aluminum, with springs made of '/n, inch corrosion resisting steel wire stock; also a riser tube of corrosion resisting steel; two (2) % inch self-closing, compression type, spring valves rated at 125 Ibs. P.S.I, made of bronze, with replaceable composition seats and heavy duty springs made of 5/1,4 inch corrosion resisting steel wire stock (designed to permit replacement of the packing glands under pressure); -two (2) % inch check valves rated at 125 Ibs. P.S.I, each with a swing type disc made of bronze. All parts shall be attached with hex head cap screws or bolts of corrosion resisting steel. All parts directly connected to aluminum parts shall be of corrosion resisting steel to minimize galvanic action. All aluminum shall be prime A-356 with pedals and pedal locks aged (for greater strength). All corrosion resisting steel (stainless steel) shall be series 302, 303 or 304 (18-8); all brass and bronze 85-5-5-5. All parts of the pedal assembly shall have a baked, grey epoxy (glossy) finish, which withstands the salt spray test, resists cracking, peeling, chipping and discoloration.

NOZZLE

The nozzle shall be the cup and cone bearing system, with body of precision machined parts made of brass and bronze, and include a double tier of races and cones, each with fifteen (15) 'A inch ball bearings (tempered), all of corrosion resisting steel (stainless steel), series 302 (18-8). The nozzle shall be elevated above the rim of the bowl (to prevent backflow). It shall rotate with a minimum water pressure of 1 5 Ibs. P.S.I, without lubrication or vibration and be relatively noiseless. It shall propel water sprays in a 210 degree (3 directional) arc and cause them to make direct physical contact with all interior surfaces of containers, with a centrifugal scouring action, and be self-draining. A rotary nozzle of the same design but made entirely of stainless steel is optional.

All surfaces of this model, including welds, shall be smooth and free of burrs, sharp angles and edges to permit proper cleaning, and prevent injury. All parts subject to water or steam pressure shall be tested.

See drawing for descripfion and location of all parts (Fig. No. 4); Recommendations for Installation, Operation and Maintenance (including roughing-in drawing — Fig. 6) furnished with each shipment, or in advance, if requested.

HOW TO ORDER

We furnish as a one price package all parts included in this specification as shown in Fig. No. 2 (see “Aervoid Figures” document. In ordering specify "AerVoiD Model No. 5-B Jet Can-Washer and Sanitizer as illustrated and described in the specifications of the Aervoid Mfg. Co.". Please be sure to add to your order any accessories desired. Parts needed for the plumbing installation selected are not included. WE DO NOT MAKE THE INSTALLATION. This is very simple as this model is delivered ready to install, and its light weight permits handling by one man, but it should be installed by a licensed plumber familiar with your local Ordinance and Code Requirements and the plumber usually furnishes these extra plumbing parts as they are standard, but we will quote on any of them except such common parts as pipe, fittings, etc.

SELECTION OF PLUMBING INSTALLATION

For cleaning you can adopt any of the following installations which best fits in with your plumbing and meets local regulations, except No. 5 Installation, (for steam alone) and whichever you adopt, this model will save time, reduce labor and do a faster and better job, but if you wish to gain maximum efficiency and sanitization, the installation should conform to the following recommendations of the U. S. Public Health Service and the American Society of Sanitary Engineering, even if necessary to alter your plumbing or provide such additional facilities as a booster heater or booster pump.

Recommendation: We recommend that the cleaning be done daily, or at least once a week, and that Plumbing Installations Nos. I, 2 or 3 be adopted, providing the hot water has a minimum temperature of 170 deg. F. on contact and a pressure of 15 to 50 Ibs. P.S.I., (depending on the size of the refuse container and the use of the Fountain Brush for cleaning outer surfaces) also provided that steam is needed with No. 3 Installation for the exclusive purpose of preheating "AerVoiD" or other insulated containers.

Contrary to widespread public opinion, experienced Sanitarians agree that, regardless of any equipment used, steam alone has no value for cleaning or sanitizing refuse or any other containers which have open ends, are not air-tight and do not confine the steam, nor do they approve of No. 4 Installation for cold water and steam for thorough cleaning and sanitizing, as it is impossible, by this mixture, to obtain a continuous flow of hot water at the required sanitizing temperature of 170 deg. F. By avoiding the use of steam for cleaning, there is no necessity for a ventilating system in a small room and the air will not become humid with clouds of steam.

PLUMBING INSTALLATIONS TO SELECT FROM

And Extra Parts (Other Than Pipe, Fittings, Etc.) Required For Each

NO. I — INSTALLATION FOR HOT WATER: (See Fig. No. 1) Cap for one line; 1 Hand Shutoff Valve, 1 Shock Arrestor and 1 line pressure Regulator (if required).

NO. 2 — INSTALLATION FOR COLD WATER AND HOT WATER: (See Fig. No. 1) 2-Hand Shutoff Valves, 2-Shock Arrestors and 2-line pressure Regulators (if required).

NO. 3 — INSTALLATION FOR COLD WATER, HOT WATER AND STEAM: (See Fig. No. 1) Installation is the same as Hot and Cold configuration with the exception of having the hot supply split before entering the unit via a 3-way Cock or Valve to select Hot water or Steam. 3-Hand Shutoff Valves, 2-Shock Arrestors and 2-line pressure Regulators (if required).

NO. 4 — INSTALLATION FOR COLD WATER AND STEAM: (See Fig. No. 1) 2-Hand Shutoff Valves, 1-shock arrestor and 1-Line Pressure Regulator (if required).

NO. 5 — INSTALLATION FOR STEAM ONLY: (For pre-heating exclusively — See Fig. No. 3) Cap for one line; 1-Hand Valve and 1-Line Pressure Regulator (if required).