



USER MANUAL

C Series Autopsy Sinks

CA100, CB100, CC100

CA200, CB200, CC200

CC300



Serial # : _____

Install date : ____ / ____ / ____

©



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UNPACKING

- 1) Carefully inspect the exterior of the shipping container before opening. If the crate is damaged and the product has sustained damage immediately contact Mopec and the freight carrier. **Never discard the shipping container even if it is damaged beyond recognition.**
- 2) Have the delivery driver note any suspected damage on the Bill of Lading and sign it. Mopec will help assist in filing a claim for product repair and/or replacement.
- 3) Carefully open the containers and inspect the equipment for concealed damage. If visible damage is noticed (i.e. broken welds, dented stainless, scratches, etc.) follow through as noted above. Do not discard the shipping material. They are important in settling claims.

CAUTION: There are loose components in the packaging of your product. Be very careful in examining the packaging material as it may contain installation parts and/or product components.

INSPECTION

- 1) After carefully unpacking your Mopec Autopsy Sink please inspect the items in the list below prior to installing the unit. The Autopsy Sink should be thoroughly checked for loose screws, defects, or damage that may have occurred during shipping or packaging.

INSTALLATION

C Series Autopsy Sink Installation Instructions

Locate package of smaller items (dissection board, tissue boxes, duct hose or filters)

The CA100 / CB100 / CC100 is utilized with Autopsy Carts that overhang the sink. It is imperative that the mounting height is at 34" finished height and is exclusive of any slope in the floor of the building.

Placing a bubble level on the edge of the unit's edge (do not place the level on the table's surface) side to side and front to back, assure the unit is completely level.

Mount the unit as required with an approved fastener. The fastener is suggested as being a minimum dimension of 3/8" diameter and having a Tensile Pullout Load of at least 4,000 lbs. .

Once the unit is secured to the wall, the utilities can be hooked up. The cold water line is 3/4" and the hot water is 1/2" hard copper which will require customer supplied on/off valves. Mopec suggests using ball type water valves to assure proper water flow for operating all table accessories. Drain lines are standard 1 1/2" IPS and need to be vented to assure proper drainage.

Utility Connections

The only connections necessary are the Electric, Cold and Hot water supply, the drain connection and the HVAC connections if in house ventilation. If the disposal option is ordered, the disposal will need to be installed prior to the electrical hook up. The unit is already pre wired and plumbed for the options ordered.

Electrical Connection

All electrical, water and ventilation stubs should be prepared in accordance with our rough-in dimensions shown on rough in diagram of this manual.

The electrical service provided for the MB600 must include:

- 1) A switch or circuit breaker for each circuit to which the wiring harnesses from the workstation will be connected.

Each C Series autopsy sink has a three foot whip for attachment to the facility, unless a plug and cord are requested. The whip leads are labeled. And depending on the options selected there are either 3 wires or 5 wires. L1 and C1 are for the unit electrical options such as lights, lifts and fans if a recirculation unit. L2 and C2 are for the disposal.

115V Info

Without a disposal there are three wires:

Black Labeled as L1

White Labeled as C1

Green w Yellow Stripe Ground

With the Disposal there are five wires

Black Labeled as L1

White Labeled as C1

Green w Yellow Stripe Ground

Red Labeled L2

White Labeled C2

The flexible water tight conduit and connections is the preferred conduit and is not provided with the unit. This is due to an unknown length needed and variances possible in the rough in process. If the disposal option is purchased there **MUST** be two separate circuits for the two circuits on the autopsy sink. You must have separate circuits for the disposal and unit.

Drain Connection

The C Series Elevating Units are equipped with 1.5" Diameter drain and connections. DO NOT modify the drain line or connections without contacting MOPEC first. The Units are built in accordance with the rough in drawings specific to the unit. The drain connection provided unless specifically requested otherwise is Orion Acid Waste Pipe 1.5" Diameter. The height is per the rough in drawings provided at the time of the order.

The C Series non elevating units are equipped for 1.5" DIA drain piping. P-trap and piping is provided

Water Supply Connection

The water supply connections are ½"DIA for Hot water and ¾"DIA for Cold water copper pipe. The unit has been cleared of water and debris during the manufacturing and testing of the unit. The rough in drawing for the unit suggests a 1/4 turn valve to be connected to the wall. This is to allow the water to be localized and disconnected should the need arise to work on plumbing in the future. Before connecting the unit to the facility water supply, check the lines in the facility for debris by flushing the lines for a moment. After the connections are made remove the aerator from the faucet and turn the water on and open the faucet and other water options after the faucet to allow any debris to evacuate the system. Then one option at a time, open the valves for the other water options (i.e. Perimeter Rinse, Spray Hose and then the Disposal). This is the time to look for leaks or other plumbing issues. The plumbing is tested for leaks and function at the facility and is put under pressure for 45 minutes to check for leaks. However the plumbing is hard copper and solder connections. During transport a unit may experience a failed solder joint. Contact MOPEC immediately if there is a leak.

Ventilation Connection

Ventilation is one of two types for the C Series autopsy sinks; Ventilation of the unit is connected to the facility ventilation system via duct work. The duct work will vary depending on the model of grossing station.

In House

If your unit elevates, it will have flexible duct provided by other's unless ordered with the unit. The duct/s are connected to the unit on top. The duct stubs are provided. If your unit does not elevate the ventilation connection is on the top or from the back of the unit back of the unit and will vary by model.

**** Caution ** These are general guidelines and installation is specific for each of the C Series units. Professional installation is recommended.**

INTRODUCTION

Mopec's C Series Wall Mounted autopsy sinks are available in a variety of styles which make them advantageous to a wide variety of users. Including elevating wall mount or leg frame options

The models are as follows:

CA100 model Non-elevating Right Side Approach. Save time and space with our C-Series Wall Mounted Autopsy Dissection Sinks. The body is transported on a moveable cart that adjoins a right sink approach for easy access. No additional lifting of the body is required. The cart trays overhang the sink to allow for proper fluid drainage.

CB100 model Non-elevating Left Side Approach. Save time and space with our C-Series Wall Mounted Autopsy Dissection Sinks. The body is transported on a moveable cart that adjoins a left sink approach for easy access. No additional lifting of the body is required. The cart trays overhang the sink to allow for proper fluid drainage.

Both the CA100 and CB100 offer the following features:

Overall Dimensions: 84" L x 28" W x 61" H, 34" (FFL) to bottom of work surface.

Stainless Steel construction. Hydro aspirator with reversing flow valve, hose hanger and 8' clear PVC tubing. Cold water body rinse with vacuum breaker and serrated hose fitting. Includes hose hanger and 8' clear PVC tubing.

Hot and cold water fixture with wrist blade handles and 8" swing spout with vacuum breaker.

Two (2) interchangeable removable perforated grid plates, stainless steel construction with 1/2" recess and 3/8" diameter holes on 2" square centers. Rinse basket grid plate fabricated with stainless steel construction. GFCI duplex outlet with waterproof cover. Instrument drawer flush to the table when closed and fitted with flush inset handles at the top to keep fluid from accumulating in the drawers. Hand spray assembly, heavy duty brass chrome plated hand piece. Durable 8' Long high pressure hose. J hook to hold hand piece.

Concealed pressure control/shut off.

Includes cart latch which is compatible with DA000 & DB000 cart chassis only. Other Mopec carts can be used by locking casters. All plumbing and electrical work accomplished at factory. Only trade hook up required.

CC100 model Non-elevating Center Approach. Save time and space with our C-Series Wall Mounted Autopsy Dissection Sinks. The body is transported on a moveable cart that adjoins a center sink approach for easy access. No additional lifting of the body is required. The cart trays overhang the sink to allow for proper fluid drainage.

Overall Dimensions: 114" L x 31-1/2"W x 58- 1/2" H to 66-1/2 to work surface.

31-1/2" to 39.5" (100cm) to top of work surface Stainless steel construction. Center sink approach

Heavy duty elevating frame structure with dual synchronized actuators and push button controls.

Hydro aspirator with reversing flow valve. Includes hose hanger and 8' of clear PVC tubing. Two (2) cold water body rinse valve with vacuum breaker and serrated hose fitting. With hose hanger and 8' of clear PVC tubing.

Two (2) Hot and cold water fixture with wrist blade handles, 8" swing spout with vacuum breaker.

Four (4) interchangeable removable grid plates stainless steel construction with 1/2" recess and 3/8" diameter holes on 2" square centers. Two GFCI duplex outlet with waterproof cover. Two instrument drawers with recessed handle and drop in removable pan. Two hand spray rinse. Heavy duty brass chrome plated hand piece. Durable 8' long flexible hose. Hose hanger and "J" hook to hang hand piece. Concealed pressure control/shut off. Includes cart latch which is compatible with DA000 & DB000 cart chassis only. Other Mopec carts can be used by locking casters. All plumbing and electrical work accomplished at factory. Only trade hook up required.

The above 100 series are available with the optional leg frame support

CA200 model Elevating (Pat 9277806) Right Side Approach. The C-Series Wall Mounted Elevating Autopsy sink was designed to provide an adjustable working area ergonomically correct for users of various heights. A 5' 4" technician is just as comfortable using this autopsy sink as a 6' 4" technician. The sink can be surface mounted or recessed within the thickness of the wall. Adjustability of the C Series allows all technicians whether sitting or standing, to make adjustments to bring the work to their exact desired position and comfort, regardless of height with the flip of a switch. The users have the ability to raise and lower the unit approximately 8"

CB200 model Elevating (Pat 9277806) Left Side Approach. The C-Series Wall Mounted Elevating Autopsy sink was designed to provide an adjustable working area ergonomically correct for users of various heights. A 5' 4" technician is just as comfortable using this autopsy sink as a 6' 4" technician. The sink can be surface mounted or recessed within the thickness of the wall. Adjustability of the C Series allows all technicians whether sitting or standing, to make adjustments to bring the work to their exact desired position and comfort, regardless of height with the flip of a switch. The users have the ability to raise and lower the unit approximately 8"

Both the CA200 and CB200 offer the following features:

Overall Dimensions: 84" L x 28" W x 61" H, 34" (FFL) to bottom of work surface. Stainless Steel construction. Hydro aspirator with reversing flow valve, hose hanger and 8' clear PVC tubing. Cold water body rinse with vacuum breaker and serrated hose fitting. Includes hose hanger and 8' clear PVC tubing. Hot and cold water fixture with wrist blade handles and 8" swing spout with vacuum breaker. Two (2) interchangeable removable perforated grid plates, stainless steel construction with 1/2" recess and 3/8" diameter holes on 2" square centers. Rinse basket grid plate fabricated with stainless steel construction. GFCI duplex outlet with waterproof cover. Instrument drawer flush to the table when closed and fitted with flush inset handles at the top to keep fluid from accumulating in the drawers. Hand spray assembly, heavy duty brass chrome plated hand piece. Durable 8' long high pressure hose. J hook to hold hand piece. Concealed pressure control/shut off. Includes cart latch which is compatible with DA000 & DB000 cart chassis only. Other Mopec carts can be used by locking casters. All plumbing and electrical work accomplished at factory. Only trade hook up required.

CC200 model Elevating (Pat 9277806) Center Approach. The C-Series Wall Mounted Elevating Autopsy sink was designed to provide an adjustable working area ergonomically correct for users of various heights. A 5' 4" technician is just as comfortable using this autopsy sink as a 6' 4" technician. The sink can be surface mounted or recessed within the thickness of the wall. Adjustability of the C Series allows all technicians whether sitting or standing, to make adjustments to bring the work to their exact desired position and comfort, regardless of height with the flip of a switch. The users have the ability to raise and lower the unit approximately 8"

Overall Dimensions: 114" L x 31-1/2"W x 58- 1/2" H to 66-1/2 to work surface. 31-1/2" to 39.5" (100cm) to top of work surface Stainless steel construction. Center sink approach Heavy duty elevating frame structure with dual synchronized actuators and push button controls. Hydro aspirator with reversing flow valve. Includes hose hanger and 8' of clear PVC tubing. Two (2) cold water body rinse valve with vacuum breaker and serrated hose fitting. With hose hanger and 8' of clear PVC tubing. Two (2) Hot and cold water fixture with wrist blade handles, 8" swing spout with vacuum breaker. Four (4) interchangeable removable grid plates stainless steel construction with 1/2" recess and 3/8" diameter holes on 2" square centers. Two GFCI duplex outlet with waterproof cover. Two instrument drawers with recessed handle and drop in removable pan. Two hand spray rinse. Heavy duty brass chrome plated hand piece. Durable 8' long flexible hose. Hose hanger and "J" hook to hang hand piece. Concealed pressure control/shut off. Includes cart latch which is compatible

with DA000 & DB000 cart chassis only. Other Mopec carts can be used by locking casters. All plumbing and electrical work accomplished at factory. Only trade hook up required.

CC300 model Elevating Center Approach. Save time and space with our C-Series Wall Mounted Autopsy Dissection Sinks. The body is transported on a moveable cart that adjoins a right sink approach for easy access. No additional lifting of the body is required. The cart trays overhang the sink to allow for proper fluid drainage.

Overall Dimensions: 150" L x 28" W x 61" High (381cm x 71cm x154cm), Stainless steel construction. Dual sinks 38" x 20" x 6" (96 x 50 x15cm) Hydro aspirator with reversing flow valve. Includes hose hanger and 8' clear PVC tubing. Two cold water body rinse valve with vacuum breaker and serrated hose fitting. Includes hose hanger and 8' clear PVC tubing. Two hot and cold water fixtures with wrist blade handles. 8" swing spout with vacuum breaker. Three interchangeable removable stainless steel grid plates. Grid plates include 1/2" recess and 3/4" diameter holes on 2" square centers. Two GFCI duplex outlets with waterproof covers. Two instrument drawers- Flush to the table when closed and fitted. Flush inset handles at the top to keep fluid from accumulating in the drawers. Two hand spray assemblies. Heavy duty brass chrome plated hand piece. Durable 8' long flexible hose. "J" hook to hold hand piece. Concealed pressure control shut off. Includes cart latch which is compatible with DA000 & DB000 cart chassis only. Other Mopec carts are equipped with locking casters. All plumbing and electrical work accomplished at factory. Only trade hook up required.

FEATURES

All units in the “C” series consists of the following:

Work Grid: 14 Gauge, type 304 Stainless Steel with a # 4 Satin Finish
Housing: 18 & 20 Gauge, Type 304 Stainless Steel with a # 4 Satin Finish
Electrical: 115 v / 1ph / 60 Hz Current Draw: 20 Amp maximum
Electrical: 230 v / 1ph / 50 Hz Current Draw: 10 Amp maximum

All units have: Perforated Removable Grid Plates
Large integral sink 20” x 38” c 9” deep
1 G.F.C.I. Electrical Receptacle (CC Units have two)
Autopsy Cart Latch
Water Fixtures w/Swing Spout (vacuum breaker protected)
Large Instrument Drawer
Body Rinse Fixture
Hand Spray Assembly
Sink Spray Assembly
Hydro-Aspirator
Integral Sink
Sponge Bowl (CA100/CB100/CA200/CB200 ONLY)

All units may have the following Options:

BL800 1 HP Disposal
CO003 Sink Perimeter Rinse Assembly
CO001 and CO002 Leg Frame Assembly (CA100/CB100/CC100 non-elevating only)
CO004 Gas Valve
CO005 Air Valve
CO006 Safety Eye Wash
CO007 Exhaust Duct w/Ventilation Grill
CO008 Fluorescent Light Assembly
CO016 Scale Stand Wall Mounted
CO020 Organ Rinse Basket
CO022 Evidence Screen

BL800: 1HP HEAVY DUTY DISPOSAL

Heavy Duty

Includes Solenoid to supply water directly into disposal

Vacuum Breaker to prevent back siphoning of water

On/Off switch

(Requires separate power circuit other than grossing station)



Operation of Option

The BL800 disposal is an option for disposing of tissue and bone pieces that are not needed. There is no need to turn on the faucet when using the disposal. The disposal switch activates the disposal and allows water to enter the disposal from the electric solenoid. When the disposal is turned off, the water stops. The vacuum breaker prevents back siphoning of water through the disposal. The disposal option requires one 20 amp circuit dedicated to the disposal.

DO NOT USE BLEACH OR OTHER CAUSTIC CHEMICALS IN THE DISPOSAL, THIS CAN DAMAGE THE UNIT. ENSURE ALL DISENFECTANTS ARE RINSED THOROUGHLY.

CO001 Autopsy Sink Leg Frame

For CA100 & CB100, Autopsy Sinks only

304 Stainless Steel 1 5/8" diameter tube

Welded at junctions

Ground smooth and grained to match



CO002 Autopsy Sink Leg Frame

For CC100 Autopsy Sink only

304 Stainless Steel 1 5/8" diameter tube

Welded at junctions

Ground smooth and grained to match



CO003 Sink Perimeter Rinse Assembly

Full perimeter rinse on all four sides of the sink at once
Cold water on/off water control valve
Serrated hose fitting to connect flexible vinyl tube
Perforated formed stainless steel rinse tube
Easily removed for cleaning



CO004 Gas Valve Splash Mount

Not available on CA200, CB200 and CC200.

Laboratory gas fitting

1/4" turn on/off valve and serrated hose fitting.

(2) Required for CC100

CO005 Air Valve Splash Mount

Not available on CA200, CB200 and CC200.

Laboratory gas fitting

1/4" turn on/off valve and serrated hose fitting.

(2) Required for CC100

CO006 Safety Eye Wash Splash Mount

Cold Water

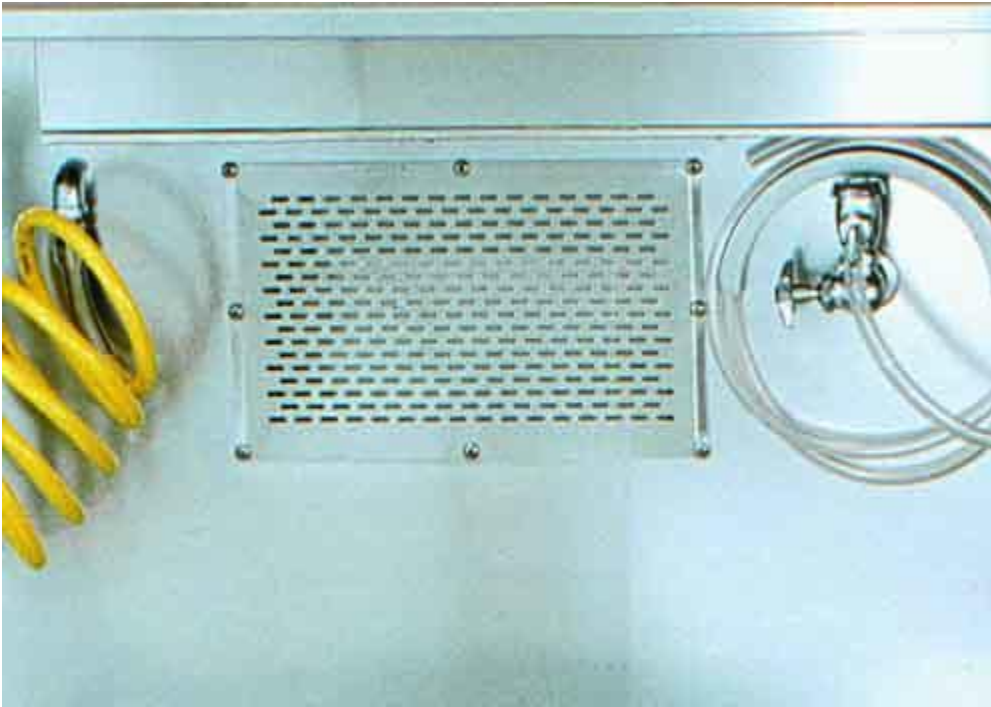
Complete gentle eye spray head, self-recoiling hose and hose hanger.
Vacuum breaker protected spray head



CO007 Exhaust Duct – Outsourced

Ventilation exhaust ducting located over the dissection area of the CA100, CB100 and the CC autopsy tables. The 8" x 14" ventilation grill is routed through the back splash of the sink and is designed to remove pungent odors.

(2) Two required for CC100



CO008 Fluorescent Light Assembly

Dual 4' high output fluorescent light fixture encased in watertight plastic case.

Watertight on/off switch.

Easy lens removal for bulb changes.

(2) Two required for CC series, (1) one required for CA100, CB100.



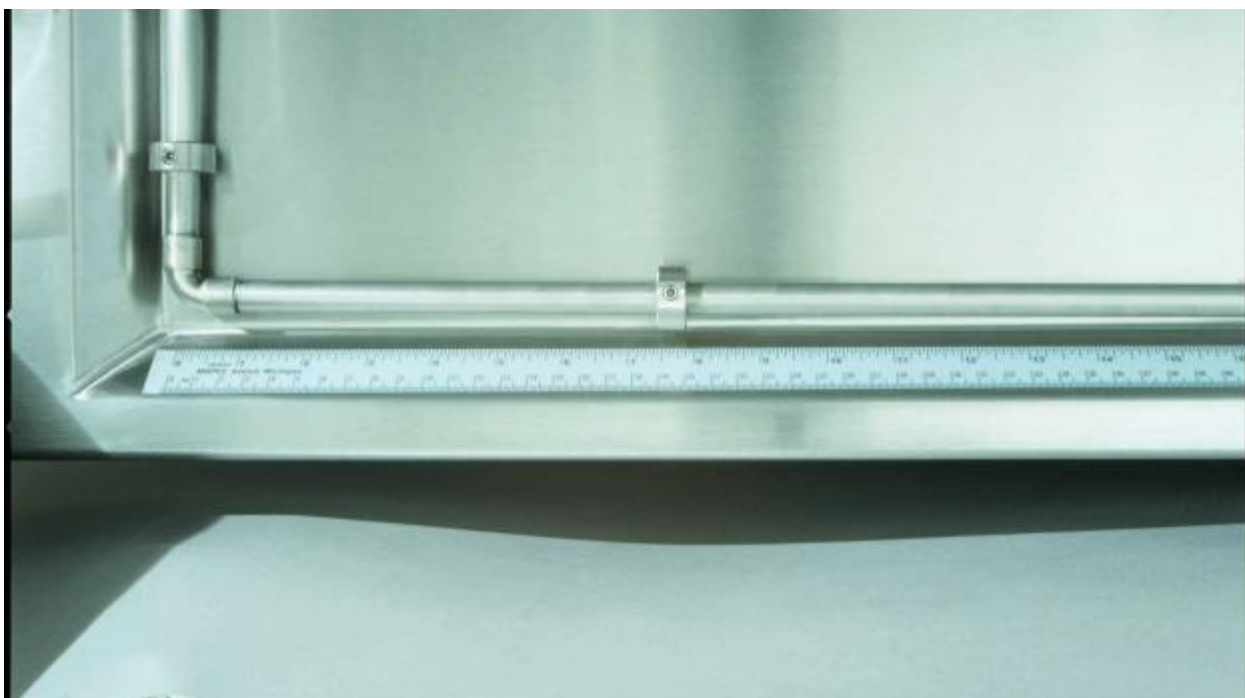
CO012 Inch/cm Scale Removable

Adhesive Backed

Inch and MM Markings

Resistant to most chemicals

Replaceable



CO016 Scale Stand Wall Mount

Wall mount bracket provided with 1 5/8" diameter cantilever weldment.
Scale stand pivots from right to left and is secured in place with locking knob.

Scale is purchased separately



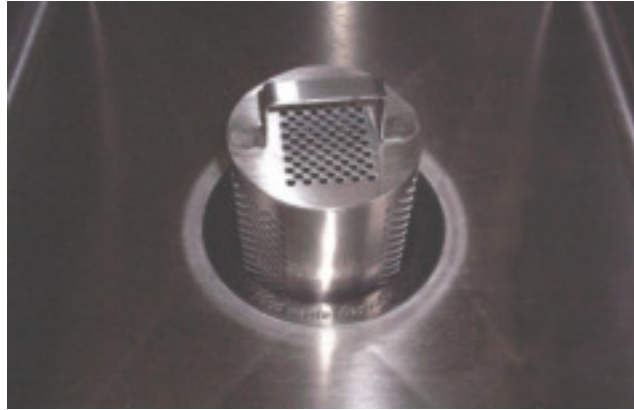
CO020 Organ Rinse Basket

Designed to hang on the hot and cold water fixture, the organ rinse basket is made of stainless steel with a perforated bottom



CO022 Evidence Screen

Designed for the C-Series Autopsy Sinks
Stainless steel construction
Pull handle



AIR HANDLING

C– Series Autopsy Sink Design Parameters:

The C – Series autopsy sinks are designed with the basis to ventilate the dissection area of pungent odors. Our design criteria is the most stringent utilizing exerts as outlined from “Industrial Ventilation” by Committee on Industrial Ventilation and Escape Velocity Parameters.

The ventilation grill is designed to help ventilate the dissecting area of pungent odors away from the user. The ventilation grill is indeed a very effective means of venting the dissection area, yet since this is an open environment room conditions have an effect on the efficiency.

With all the above considered, below is a chart of actual ventilation parameters for C Series Autopsy Sinks along with their respective definitions:

Identification Description Ventilation Volume

Volumetric flow rates should be adjustable between 300-400 cfm (Cubic feet per minute) This variable will give the user the ability to adjust to their comfort level

System Requirements

CA100 Autopsy Sink 300 - 400 cfm

CB100 Autopsy Sink 300 - 400 cfm

CC100 Autopsy Sink 300 - 400 cfm (Each)

The CA and CB Autopsy Sinks each have the available option for one ventilation grill 8" x 14" grill, the duct is routed through the back splash of the sink and is designed to remove pungent odors.

The CC has the available option and has two ventilation grills 8" x 14" grill, the duct is routed through the back splash of the sink and is designed to remove pungent odors.

GOOD PRACTICE WILL OPTIMIZE OUR PROTECTION:

1. Never block the ventilation grill.
4. Strategically locate the procedure area away from room air currents.
5. Practice complete rinsing of residual fluids and tissue with hand held spray.

Although the Mopec autopsy sinks can be the answer to pungent odors, Mopec cannot assume responsibility of exposure since good laboratory practices and room conditions are beyond Mopec's control.

CLEANING AND MAINTENANCE

DISINFECTING AND CLEANING STAINLESS STEEL SURFACES

All stainless steel surfaces can be cleaned with soap and water, which will remove debris.

The stainless steel surfaces can be disinfected with a non-caustic disinfectant. We suggest using BE045 Path Cloud or BE047 Bench Wipe for cleaning purposes. We recommend you **NOT USE** a bleach solution to clean your unit. Bleach will eventually erode stainless steel if not thoroughly rinsed. **The use of chlorine bleach will VOID THE STAINLESS STEEL WARRANTY**

During the cleaning we suggest wiping the surface in the same direction as the satin finish which will help lift up dirt from the grain finish.

Most scratches can be removed simply by utilizing a "non-metallic" abrasive pad and rubbing in the same direction as the satin finish.

Since most abrasive pads vary from one supply to another, we suggest rubbing the entire surface to blend the scratch and blend the balance of the surface.

Plexi-glass surfaces will scratch if cleaned with an unsuitable cleaner and improper cleaning. Many plastic cleaners are available and we suggest using one. Wipe dry with a clean, absorbent cloth or paper towel turning often

CLEAR DISPOSAL JAMS

The accidental entry of foreign material will cause any Waste Disposal unit to jam. To free jammed material, follow these steps **to avoid personal injury**.

1. Turn off Waste Disposal and shut off cold water.
2. Insert one end of your Self Service Wrench, provided with your Waste Disposal, into the center hole of the bottom of the disposer as shown (fig. 1).
3. Work the wrench back and forth until it moves freely for at least one complete revolution. **Remove the wrench before restarting the Disposal.**
4. Wait 3 to 5 minutes to allow Waste Disposal motor to cool and then push the reset button (fig. 1). **Be sure the main Disposal control switch is in the OFF position before pressing the reset button.**

Fig. 1

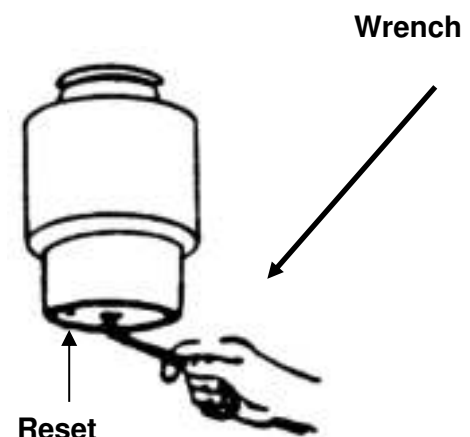
CLEANING DISPOSER

Over time, particles may accumulate in the grind chamber and baffle. An odor from the disposer is usually a sign of buildup, caused by insufficient water flow during and after disposer use.

To clean disposer:

1. Turn off disposer
2. Place stopper in sink opening and fill sink halfway with warm water.
3. Mix 1/4 cup baking soda with water. Turn disposer on and remove stopper from sink at same time to wash away loose particles.
4. Remove Quiet Collar Sink Baffle and clean by hand or in dishwasher. Do not operate disposer without Quiet Collar Sink Baffle in place.

DO NOT USE BLEACH IN THE DISPOSAL



LIFT RESET PROCEDURE

The following instructions can be used to perform the reset procedure on motorized lift units. These instructions should be used if a new controller is introduced to the system, the limits have changed on the controller, or if the system is simply behaving unexpectedly. To reset the controller:

- Turn the main power switch Off (Approx. 45-60 seconds)
- Turn the main power switch On
- Press and hold the down button on the switch
- Continue holding the down button and the unit will continue downward.
- Press and hold the down button (approx.. 45-60 seconds) on the switch; at this point, all legs should begin slowly creeping downward to the “zero” (fully retracted) position
- Release then press the down button for 5 seconds the system has reached its “zero” (Bottom) position.

Your lift system should be reset to its home position at this time. To verify, try operating the system by moving it upwards with the up button, and again downwards; ensure the system returns to the home position

If this should not correct the problem please contact Mopec at 800-362-8491.

LIFT TROUBLESHOOTING AND FAULT ELIMINATION

Fault Cause

Actuator not functioning No supply voltage present
Poor connector contact

Motor cable defective
Control device / control

Internal fuse defective
Motor defective
Markedly reduced speed Motor, gears or nuts

Very loud running noise Motor, gears or nuts

Play in the guidance Gliding elements worn

Measure to be taken

Check the supply voltage
Plug in the connecting plug correctly or check the terminal connections
Plug in the control device plug correctly
Contact Mopec
Exchange the control element defective device/
control element
Contact Mopec
Contact Mopec
Take the actuator out of defective service immediately
and Contact Mopec
Take the actuator out of defective service immediately
and contact Mopec
Contact Mopec

STAINLESS STEEL CARE AND MAINTENANCE

To maintain your stainless steel product, follow these four steps:

1) **Never, ever use wire brushes, Brillo, steel wool or abrasive cleansers (like Ajax or Comet).** If something needs to be aggressively cleaned only use a Scotch-brite pad or similar product and only scour with the "grain" of the stainless. As an example, please reference the photo on page 2 of this document. It is clear that a very abrasive product was used in an area on the unit and that did not follow the grain of the stainless. The effects of this scratching may diminish over time with proper care but the effects of this scouring are obvious. (The use of the Scotch-brite Pad following the grain over time may help scratches such as this). Depending on the surface finish of your stainless steel, abrasive cleaners can cause scratching. Duller finishes probably won't show scratching as much as mirror or highly polished finishes. When in doubt, test in a hidden spot, and also work from the least risky type of cleaning, (i.e. water) to the heavy duty stuff.

Do not use cleaners containing chlorine. While it may be second nature to bleach everything, stainless steel and chlorine do not mix well. Do not use bleach when cleaning stainless steel. Do not allow bleach or bleach water to sit for long periods. Bleach can eventually cause staining and pitting. Bleach stains are removed with stainless steel cleaning polish.

2) **Keep the surface clean of grime, tissue and particulates.** This can be accomplished by using the "Water Hand Spray Rinse" and use of cleaning products.

3) **Rinse the surface after using disinfectant.** In Pathology and other medical areas the act of disinfecting is desired. There are a number of ways to do this including using Mopec's Bench Spray & Wipe Disinfectant. Labs use any number of different products including 10% bleach or other disinfectant sprays and wipes. For the most part, each and every one of these has high salt contents and lower PH levels to aid with disinfection. Most disinfectants must be followed up with a water rinse to remove the salts that remain after these products dry. We advise to always follow up a disinfection cleaning with a thorough rinse of water. We advise not to use diluted bleach, if you must; we stress the importance of a thorough rinse of water after use. If not rinsed properly, these salts can become visible after the disinfectant dries. They can appear with a whitish characteristic or contain light lines of white with a grainy feel when you wipe your hand across the work surface. If these residues are not removed with a thorough water rinse and wipe down they will accumulate and eventually degrade the appearance and integrity of your stainless surface. Rust is a long term possibility if salts are allowed to remain on the work surfaces over time. Gritty, dirty water or residue from cleaning solutions left on a stainless steel surface can stain or damage the finish.

4) **All stainless steel products should be protected by a polish.** As a prime example before any product leaves Mopec it is coated with WD-40 as a protecting coating for the stainless. Mopec offers a Stainless Steel Cleaner and Polish in both wipe and spray. These Mopec products will not only deep clean your stainless but will also protect their finish from chemical, low PH and salt and keep the finish looking like new.

Decal

Mopec advises that if the technicians are not taking the proper precautions when using the Decal solution the possibility of two things will occur, a brown or rust ring where the Decal resides along with a milky white substance on the surface. (As an example, reference the below photos to see the rust rings.) Decal is very harsh, even the fumes can and will cause staining on stainless steel. One thing that you might want to consider doing is to place the Decal container you currently use inside a plastic base that will help catch drips that might occur. Clean and rinse your station after every use of Decal solution.

Rust

Rust can and will occur on stainless if it is not maintained properly. The most common cause of rust is from using metal or stainless racks that are not made of 304 stainless. This is referred to as "transfer rust". Leaving of salts from cleaners or disinfectants can and will lead to possible rust areas in the long term. Always rinse all disinfectants before they dry. Decal solutions and even fumes are very aggressive and can cause rust if not cleaned up and used properly around stainless. Formalin use has not been shown to cause rust in any way.

Conclusions & Suggestions

We are confident and can assure you that if you institute the suggestions detailed above that your Mopec Grossing station will look as it did the day it arrived.

Do not assume it's the cleaner. If you do have some spotting or staining, and you've followed all of the suggestions, it may not be the cleaner. Water, especially hard water, can leave spotting and staining on stainless steel surfaces. Hard water can leave mineral deposits, resulting in whitish-colored spots and streaks. Remove hard water stains with vinegar or with stainless steel cleaning polish. Prevent hard water stains by towel-drying after every wash. Do not allow soaps and cleaners to dry on surfaces. The chemicals in many soaps and cleaners can cause staining. Never use corrosive cleaners such as mineral spirits. Use stainless steel cleaning polish and a non-abrasive scrub pad to remove dried cleaner stains. Baking soda mixed with liquid dish soap can make a good paste to gently rub on stains. Be sure to rinse the stainless steel surface thoroughly, and towel dry. If stains remain Mopec recommends trying a stainless steel cleaner and polisher. Barkeeper's Friend is a good powder formula that can clean without scratching. Be sure to follow the directions, rinse thoroughly, and towel dry. These methods should help remove any discoloration.

Fingerprints and Stains – The most common surface contaminants that occur from normal use are fingerprints and mild stains. These usually affect only appearance so fortunately they do not have an effect on corrosion resistance. They can easily be removed by a variety of simple cleaning methods. The most troublesome marks to remove from the surface of smooth polished or bright finished stainless steel are fingerprints; fortunately they can be removed with a common glass cleaner or by gently rubbing with a paste of soda ash (sodium carbonate) and water which would be applied with a soft cloth. Again, it is best to follow with a warm water rinse.

Clean Water and Wipe – The method that will do an adequate job and is the simplest, safest and the least costly is the best method. There is no surface coating to wear off of stainless steels so the surface will thrive with frequent cleaning. The first choice to clean mild stains and loose dirt and soil should always be a soft cloth and clean, warm water. Rinsing with clean water and wiping the surface dry will finish the process and eliminate the possibility of water stains.

Solvent Cleaning – To remove oils, greases and fresh fingerprints that have not had time to oxidize or decompose, use a solvent that does not contain chlorine. There are many organic cleaners on the market today that optimize safety attributes and clean ability. Spray or vapor methods or by wiping with clothes containing solvents can also clean surfaces. The wiping technique will sometimes leave the surface streaked.

Scratch Repair

A surface scratch can be repaired using the following technique. Completely removing the scratch will depend on how severe it is. Use 120 grit emery cloth or paper and firm pressure to sand the scratch. Sanding must always go in the direction of the grain. Sand in a perfectly straight line, avoiding the natural tendency to sand in an arc. Sand the surface until the scratch is gone. Polish using a very fine grade of 3M scotch-brite pads. Use the same motions as with sanding. Polish the surface until the original finish is restored.

For stubborn spots, stains, light discoloration, water marking or light rust staining use a mild, non-scratching cream or polish. Apply with soft cloth or soft sponge and rinse off residues with clean water and dry. Avoid cleaning pastes with abrasive additions. Suitable cream cleansers are available with soft calcium carbonate additions, or with the addition of citric acid. Do not use chloride or acidic solutions. Nylon abrasive pads should be adequate for dealing with most deposits (DO NOT USE STEEL WOOL OR BRILLO PADS). If a more severe treatment is needed to mask coarse scratches or physical damage on a surface, use the finest abrasive medium consistent with covering the damage marks. With directional brushed and polished finishes, align and blend the new "scratch pattern" with the original finish, checking that the resulting finish is aesthetically acceptable. Silicon carbide media may be used, especially for the final stages of finishing. Avoid using hard objects such as knife blades and certain abrasive/souring agents as it is possible to introduce surface scuffs and scratches. Scratching is particularly noticeable on sink drainer areas. These are usually superficial and can be removed with proprietary stainless steel cleaners or, alternatively, with a car paint restorer, such as 'T-cut'. Rust marks or staining on stainless steels is unlikely to be the result of corrosion to the stainless steel itself (similar marks may also be found on porcelain and plastic sinks). These marks are likely to result from small particles of carbon steel from wire wool.

USER PARTS

Replacement parts are available from Mopec The can be ordered by contacting Mopec at 800-362-8491.

Due to the many configurations your unit may not have some of the parts listed below:

RULER SELF ADHESIVE/CHEMICAL RESISTANT PM0002

POLY DISSECTING BOARD 23X16X3/4" (WHITE) BC001

PREVENTITIVE MAINTENANCE CHECKS

Procedure:

1. Visually check the exterior of equipment for any signs of damage.
2. Visually check the condition of the power cord and plug(s) for cracks, cuts, bare or broken wires and signs of excessive heat (discoloration).
3. Visually inspect electronics for signs of damage and/or overheating.
4. Ensure all the receptacles and covers are operating properly (testing GFCI).
5. Verify correct operation of unit including all controls, buttons, displays and indicators when applicable.
6. Access the main pedestal to ensure no leaks, dry rotted hoses, or electrical issues under the table.
7. Check all water fixtures.
8. Operate Lifting Mechanism up and down several times.
9. Verify correct operation of all lift movements.
10. Sync the unit per instructions in the manual.
11. Verify correct lubrication of all applicable parts.
12. Clean exterior of unit.
13. Complete paper work of inspection and file in appropriate file for future reference. Complete and affix an inspection sticker, when applicable.
14. Return the unit to service.

LIMITED WARRANTY

Products manufactured by Mopec will be free from defects in material and workmanship and conform to Mopec's description or specifications. If a warranty claim is made within one (1) year from the earlier of the date of acceptance/first beneficial use, the defective or nonconforming Product or Part thereof will be repaired or (at Mopec's option) replaced free of charge, FCA Mopec's dock. All warranty claims must be in writing and received by Mopec within the warranty period. The warranty is not transferable (other than to customers of Mopec's authorized Distributors), and will not apply unless the Equipment has been properly installed, maintained and operated in accordance with all instructions; and does not apply to defects, nonconformities or other failure due to Equipment misuse, abuse, modifications, or other causes outside Mopec's control. If a warranty claim is made in writing within the warranty period, the defective or nonconforming Equipment (or Part thereof) will be repaired or (at Mopec's option) replaced free of charge, FCA Mopec's dock.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THE WARRANTY AS SET FORTH HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

To the extent that Mopec is acting as a supplier of Products manufactured by a third party, the Products will be warranted only to the extent that they are warranted by their manufacturers and Buyer (or its customer) agrees to look solely to the Product manufacturer for all warranty claims.

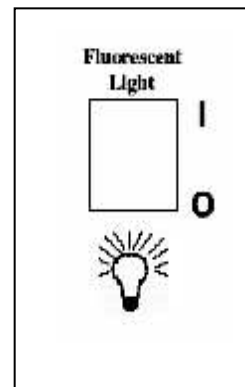
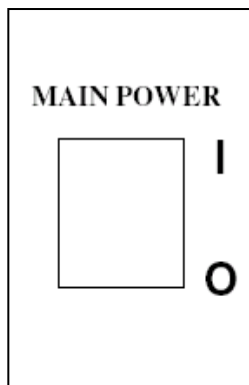
MOPEC, 21750 COOLIDGE HIGHWAY, OAK PARK, MI 48237

SAFETY LABELS

BEFORE SERVICING THE UNIT LOOK FOR AND HEED THE FOLLOWING LABEL



Symbols that may be found on the Equipment



TROUBLE SHOOTING

Problem

Possible Solution

My Unit does not turn on

Assure your facility circuit breaker has not been tripped.
Assure the G.F.C.I. has not been tripped (off) – Reset to on.

My unit does not elevate

Assure your facility circuit breaker has not been tripped.
Assure the G.F.C.I. has not been tripped (off) – Reset to on.
MB600/MB670 units ensure the doors are closed.

My unit's faucets do not work

Assure the water valve from your facility is on.

My hand spray does not work

Assure the water valve from your facility is on.
Assure the concealed shut off valves to the hand spray are on.
Assure hose is not kinked.

My disposal is not working

Assure your facility circuit breaker has not been tripped.
Assure the G.F.C.I. has not been tripped (off) – Reset to on.
Reset circuit breaker on the bottom of disposal or switch box for the disposal.



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