



# USER MANUAL

## CE Series Autopsy Tables

CE100, CE200, CE210, CE300, CE310  
CE350, CE400, CE500, CE600, CE650  
CE700, CE750, CE800, CE900



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 then 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 Table please inspect the items in the list below prior to installing the unit. The autopsy table should be thoroughly checked for loose screws, defects, or damage that may have occurred during shipping or packaging.

## INSTALLATION

### CE Autopsy Table Installation Instructions

Locate the package of smaller items (drain hose, fittings, rubber hoses, silicone caulk)

When removing from the shipping platform, be careful if the unit has a foot pedal. The unit should be removed from the shipping platform as to not cause damage to the copper plumbing attached to the foot pedal

#### Leveling and Setting Unit in Place

The unit should be on the floor and resting on the frame. The unit should be leveled to ensure proper drainage.

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, assures the unit is completely level. Note: It may be necessary to use stainless steel shims or 1/8" thick floor tile pieces to acquire a true level unit.

Open the access panels and check the plumbing and electrical locations to confirm their rough-in position. Carefully mark the four mounting holes for fastener drilling and the outer and inner perimeter of the pedestal. Once the floor is clearly marked, move the table away and drill the floor for the fasteners.

Place a liberal amount of high grade silicone between the outer and inner perimeter outline of the pedestal. Place the table on the silicone and adjust to the alignment marks.

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 mounted you can add a final bead of silicone to complete the seal of the junction between the floor and pedestal. Fill any gaps with silicone and smooth for finish trim.

#### Utility Connections

The only connections necessary are the Electric, Cold and Hot water supply and the drain connection. 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 the rough-in dimensions shown on rough in approval print. A generic copy of the rough in prints are provided. Your approval print is specific to your installation.

The electrical service provided for the CE Series Autopsy Table must include:

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

Remove the access panels (see photo on next page). Elevate the unit to its maximum upper position using the Vertical Position Switch. If ordered, install the optional disposal and make all connections that apply, including the additional 115V, Single Phase, 60 Hz, 20 Amp circuit to your electrical service. (This should be on a separate dedicated line.) Replace the access panels.

Each CE Series Autopsy Table has a three foot whip for attachment to the facility. 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 lifts, outlets and fans if a recirculation unit. L2 and C2 are for the disposal.

**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 table. You must have separate circuits for the disposal and unit.

#### **Drain Connection**

The CE Series Autopsy Tables 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 Hard Copper DWV or Orion Acid Waste Pipe 1.5" Diameter. The height is per the rough in drawings provided at the time of the order.

#### **Water Supply Connection**

Once the unit is secured to the floor, the utilities can be hooked up. The cold water line is  $\frac{3}{4}$ " and the hot water is  $\frac{1}{2}$ " 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.

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. 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 provided through the main pedestal of the table. The air duct will come up through the floor per the rough in drawings. The main pedestal will be sealed to the finished floor with a high grade silicone caulk

**\*\* Caution \*\***

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

## INTRODUCTION

Mopec's CE Series autopsy tables are available in a variety of styles which make them advantageous for a wide variety of users.

The pedestal design can incorporate elevating, rotating or both mechanisms. Our unique Downdraft Ventilation System helps ventilate the body during an autopsy.

The Hydro-Aspirator is conveniently located near the sink basin for ease in collection and/or disposal of bodily fluids.

Electrical receptacles (in most units) are provided on both sides of the table.

A hot and cold water faucet is provided with a single lever control and a vacuum breaker to safeguard the facility water supply. A deck mounted sink spray, with a high pressure hose, allows for the complete rinsing of the body or table with the press of a single lever.

Autopsy tables have an integrally constructed large sink that is creased toward the center for complete drainage.

The rotating autopsy tables employ a stainless steel roller bearing carousel which allows the table to lock at rotations of 0, 90 and 180 degrees. Mopec exclusively utilizes Cam Follower Bearings for a smooth, accurate and virtually effortless 180 degree motion.

The elevating pedestal consists of an Electro-Mechanical actuator. The elevating pedestal is capable of lifting and lowering 8" (from 32" – 37"). Maximum capacity is 750 pounds.

The "CE" family is comprised of the following models:

**CE 100** is a free standing non-elevating, non-rotating autopsy table with a downdraft ventilation system.

**CE 200** is a free standing elevating (for a more ergonomically correct working height), non-rotating autopsy table with a downdraft ventilation system.

**CE 300** is a free standing rotating, non-elevating autopsy table with a downdraft ventilation system.

**CE 310** is a free standing rotating and elevating autopsy table with a downdraft ventilation system.

**CE 350** is a free standing rotating and elevating autopsy table with a recirculation downdraft ventilation system. **Self Contained Exhaust consists of** One dual blower fans w/filters for air filtration complete with lighted on/off switch. One (1) Charcoal/potassium permanganate filters provided with unit (BF014)

**CE 400** is a free standing short pedestal autopsy table with a downdraft ventilation system.

**CE 500** is a free standing frame style autopsy table **without** a ventilation system.

**CE 600** is a free standing "L" shaped autopsy table (right wing) non elevating with a downdraft ventilation system.

**CE 650** is a free standing elevating “L” shaped autopsy table (right wing) with a downdraft ventilation system.

**CE 700** is a free standing “L” shaped autopsy table (left wing) non-elevating with a downdraft ventilation system.

**CE 750** is a free standing elevating “L” shaped autopsy table (left wing) with a downdraft ventilation system.

**CE 800** is a free standing pedestal style autopsy service island **without** a ventilation system. This unit accepts all **Mopec** autopsy carts.

**CE 900** is a free standing pedestal style autopsy service island with a downdraft ventilation system. This unit accepts all **Mopec** autopsy carts



## FEATURES

All units in the “CE” 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

Standard Features	CE100	CE200	CE210	CE300	CE310	CE350	CE400	CE500	CE600	CE650	CE700	CE750	CE800	CE900
Hot/Cold Water Fixture	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
GFCI	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Stainless Steel Grid Plates	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Stainless Steel Work Surface	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Large Rinse Sink	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	
Hydro-Aspirator	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Spray Rinse	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Ventilation In Pedestal	Std	Std	Std	Std	Std	Std	Std		Std	Std	Std	Std	Std	Std
90 degree Rotation				Std	Std	Std								
Adjustable Height Elevation		Std	Std	Std	Std	Std				Std		Std		
Work Space L Return Workspace									Std	Std	Std	Std		
Self-Contained Exhaust System						Std								
<b>Optional Features</b>														
Foot Pedal	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Perimeter Rinse	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Washable In/Cm Ruler	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Scale Bracket	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
½ HP Waste Disposal	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
¾ HP Waste Disposal	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
1 HP Waste Disposal	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
Foot Pedal														Opt
Header Rinse													Opt	Opt
Fluid Collection System	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt

## **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 than the table)



### **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 DISINFECTANTS ARE RINSED THOROUGHLY.**

## CO009: Autopsy Table Perimeter Rinse

- Perimeter rinse assembly. Cold water fixture with vacuum breaker and serrated hose fitting.
- One piece of clear PVC tubing attaches to the U shaped tubing under the grid plate on four sides.
- Sink rinse is fabricated of 1/2" stainless steel perforated tubing.

[Video of Perimeter Rinse](#)



## **CO012: Replaceable Ruler Inch/Centimeter**

Long wearing ruler adheres to edge of the table. Can be peeled off and replaced.

The ruler is chemical resistant to most medical chemicals.

### CO017: Scale Stand Table Mounted

Stainless Steel scale stand bracket is welded to table top. Scale boom is 1-5/8" diameter. Rotating tube has locking knob. Boom is removable and allows scale to hang centered over the sink

**Scale BB002 not included**



## BK610: Fluid Collection System

- 3/8" Diameter Heavy Wall Tubing Connects Bottles  
Two (2) Auto-clavable 4 liter Heavy Duty Polypropylene Bottles in a Stainless Steel Carriage
- Polypropylene bottles are constructed for heavy-duty vacuum applications. An air tight, leak-proof seal is assured with the TPE (Thermal Plastic Elastomer) gasket. Collection bottles are auto-clavable and chemical resistant.
- The entire unit is mounted on a stainless steel carriage (16" L x 7" W x 10" H). The bottles are connected by 3/8" (1.0 cm) diameter heavy wall vinyl tubing. Ten feet (304.8 cm) of additional tubing is provided for attaching the Fluid Collection System to the hydro-aspirator's vacuum nozzle.
- The collection bottles can be used separately or in tandem. Simply connect the short link of tubing between the two bottles. The long suction tubing can be attached to the aspirator head (sold separately). Vacuum power is regulated at the hydro aspirator on your table. Efficient and safe to use in any morgue -requires no electrical pump.



### CO023: Header Rinse w Control Knob (for CE850 and CE900)

- Ten stainless steel nozzles for water distribution allows for easy rinsing of table.
- With control valve and back flow prevention.
- Water nozzles are silver soldered in place.



### CO038: Foot Pedal Mixing Valve (CE900 Only)

- Dual foot pedal Hot/Cold water control valve with swing spout faucet  
Wrist blade handle controls are not available with this option.



[Foot Pedal Video Link](#)



## AIR HANDLING

### **CE – Series Pedestal Autopsy Table Design Parameters:**

The CE – Series Autopsy Tables are designed with what is known as a double cone down draft or more commonly known as the “Cadaver Venter”. The venting is accomplished in a very simple manner and that is to draw air through the drain of the table and eventually through the grid plates.

The design is such that the first cone as described is affixed to the tabletop where fluids drain. There is another down draft cone directly below, which is separated via an air gap. Consequentially fluids drip from the top cone to the bottom cone while air flows down the top cone through the air gap around the second cone. The pedestal of the table is a sealed design and functions as the air chamber. The sheet metal duct is routed through the floor and stubbed out directly over the duct stub. There is no direct connection from the floor rough-in to the “Cadaver Venter”.

The “Cadaver Venter” in its initial design was geared to pull pungent odors away from the user of the autopsy table. The “Cadaver Venter” is very effective, yet the various body sizes can create an uneven or uncontrolled air flow characteristics. It should also be noted that the environment is totally open therefore existing room conditions and air currents have a serious effect on the efficiency of the venting. The table will need additional air flow within the room to adequately ventilate the odors created during an autopsy.

Volumetric flow rates should be adjustable and be between 275 – 400 CFM (Cubic Feet per Minute). This variable will give the user the ability to adjust to their comfort level. Calculations are based on a 10” diameter vent stub into the pedestal and maintaining 125 LFM (Linear Feet per Minute) face velocity through the grid plates. Cross sectional area of the down draft cones yield 36 square inches through the first cone and 66 square inches around the second cone.

Although the Mopec CE-Series Autopsy Table “Cadaver Venter” can help ventilate the odors that migrate from a body during an autopsy, room conditions must also be controlled along with additional ventilation strategically located over the Autopsy Table.

## 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.**

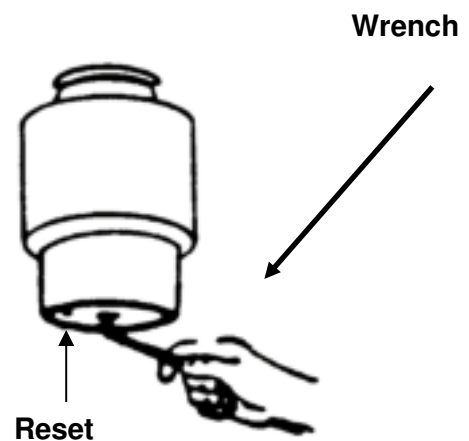
**Fig. 1**

### 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.



## 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
- 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 the down button and press for another 5 seconds until 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.

## EVALUATING FILTERS FOR REPLACEMENT

The filters in your CE unit contain alumina pellets impregnated with potassium permanganate,  $\text{KMnO}_4$ , which is a fast oxidizer. Formaldehyde passing through the filter is converted to carbon dioxide and water. **The filter's life depends entirely on the amount of formaldehyde fumes passing through the filter.**

The pellets are bright purple when new and become dark brown when spent. Once the inner part of the pellet is brown it is totally spent and must be replaced.

This chemistry is very effective and essentially removes all formaldehyde as long as there is active  $\text{KMnO}_4$  available. The efficiency drops off as the filter media approaches its maximum capacity. The last 15-20% capacity will exhibit some pass through of formaldehyde.

### Health Hazard Data - Alumina Permanganate Filter Media

**Effects of Exposure** – The filter media is non-toxic upon oral, skin, and inhalation exposure and is non-irritant of the skin. Breathing of dust may cause sneezing. Skin may feel dry after contact. The filter media is an eye irritant.

## PROCEDURE - EVALUATING FILTERS FOR REPLACEMENT

One side of the filter will have a small tab which can be opened just enough to allow one or two pellets to be removed. (see photo)

To determine when the  $\text{KMnO}_4$  has been exhausted, remove a pellet and slice it in half.

**Eye protection is recommended based on the above "Health Hazard Data".**

**The usefulness of the filter is approximately 80% diminished when the purple color first disappears from the core.**

Place the sliced pellet(s) on a paper towel and add a few drops of water. The water running off the pellet(s) should be initially purple and then turn a deep iodine color. If no purple coloration is present, the  $\text{KMnO}_4$  (Potassium Permanganate) material is totally spent.



**When the purple color first disappears from the core of the pellet as described above, the rate at which formaldehyde is removed from the air stream is slowed considerably.**

(See Summary On Following Page)

### [Video – SUMMARY OF EVALUATING FILTERS FOR REPLACEMENT](#)

From a practical standpoint, it may be desirable to perform the tests on the preceding page more frequently during initial usage of the filters to determine when the purple first begins to disappear from the core of the sliced pellet. Based on these early observations, the user can establish a Replacement Testing Cycle with occasional re-checks for verification.

## 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 Autopsy 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:

POTASSIUM PERMANGANATE CHARCOAL FILTER	BF014
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.

Faucets are typically serviced when they fail and/or leak.

**CE355 Model** Filters are and be changed regularly according to usage. The first filter, being the particle filter is typically changed once a year and rinsed once a week.

The chemical filter should be changed once a month or as necessary. Demand and usage of the chemical filter may require more or less frequent changes. (as in the presence of formalin fumes at the exhaust or when the filter media is saturated.)

The exhaust filter should be changed every 2-3 months. The exhaust filter life is also demand and usage and may require more of less frequent changes.

The roller track can be sprayed with lithium grease or a silicone spray to keep the rollers lubricated. This should be checked monthly or lubed as needed or depending on the rotations of the base on the CE300 through 355.



## 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.

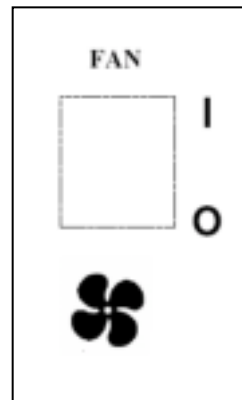
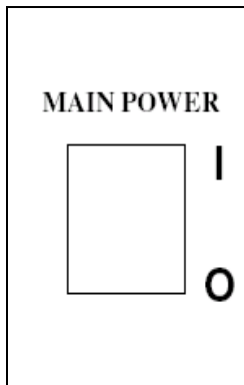
*MOPEC, 21750 COOLIDGE HIGHWAY, OAK PARK, MI 48237*

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.

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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