

MK100

GROSSING STATION ELEVATING DOWNDRAFT WITH BRIDGE



REFERENCE MANUAL

Rev 0 9-21-10 ©



21750 Coolidge Highway • Oak Park, MI 48237 USA
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IMPORTANT INFORMATION

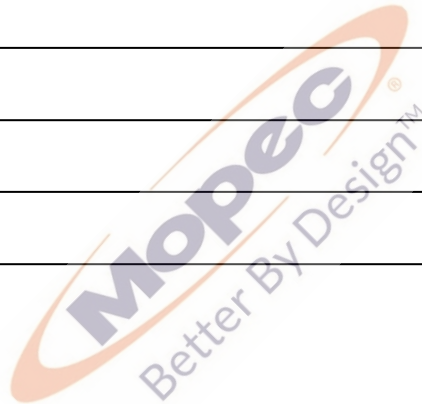
MODEL NO.:

SERIAL NO.:

DATE OF PURCHASE:

DATE OF INSTALLATION:

INSTALLATION NOTES:



SERVICE AND SUPPORT:



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INTRODUCTION

Designed to minimize back strain, the MK100 is an adjustable table in which the height can adjust from 31.5" to 41.5". This feature increases leg room and alleviates back strain. The large work surface accommodates multiple users. This unit features a seamless welded sink with downdraft fume handling, rigid perforated work plates, an integrated rinse system with adjustable valve and formalin pour-off basin with strainer insert. Available with many optional features including halogen task lighting, adjustable video arm, camera stand, and dictation/recorder stand. Stainless steel construction throughout with a stable self-supporting undercarriage which has adjustable legs.



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 Inc. and the freight carrier. **Never discard the shipping container even if it is damaged beyond recognition.**
- 2.) The receiver **MUST** 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 goods for concealed damage. If concealed damage is noticed (i.e. Broken welds, dented stainless, scratches, etc.) Follow through as noted above, and again do not discard the shipping material, they are important in settling claims.



AIR HANDLING

Mk-Series Grossing Workstation Design Parameters:

The MK-Series Grossing Workstations are designed with the basis of fulfilling one goal and that is to adequately ventilate the work surface. Specialized elevating work tables offer a workspace free of harmful vapors and odors and are well suited for small dissections. There is continuous airflow which extends across the entire work area and all vapors are vacuumed beneath the work surface providing optimal and safe removal of formaldehyde and specimen fumes. The one adverse effect of ventilation is noise that is considered but does not govern the ultimate design criteria.

Our design criteria are the most stringent utilizing exerts as outlined from Industrial Ventilation by Committee on Industrial Ventilation and Escape Velocity Parameters. Ideal conditions in a grossing environment obviously do not warrant such a large amount of formaldehyde, yet concentration levels are on a higher extreme regarding design data parameters available. Therefore assumptions are made regarding grossing practices and ultimately formaldehyde concentrations.

The MK-100 Series Grossing Workstations is designed with what's known as a "Down Draft System". The "Down Draft System" is designed such that the downward airflow is consistent from one area to another of the work surface. Grid plates elevate the work area over a deep down draft sink area that is designed to accept fluids while consistently ventilation the work area.

The MK-100 is designed as a freestanding floor mount and can be located anywhere within a room with the air connection being located within the floor. It should also be noted that the environment of the MK-100 is totally open therefore existing room conditions and air currents have a serious affect on the efficiency of the ventilation.

Volumetric flow rates should be adjustable and be between 640-900 (cubic feet per minute). This variable will give the user the ability to adjust to their comfort level. Calculations are based on a (1/2" dia. Holes) on (1" staggered centers) and maintaining 125-150 (linear feet per minute) face velocity through the grid plates.

The above design parameters for the "Down Draft System" and suggested ventilation requirements are based on stringent ventilation requirements and ideal conditions. Personalized conditions and practices may warrant an increase and/or decrease of the ventilation. Although the Mopec "Down Draft System" can be the answer to formaldehyde exposure, Mopec cannot assume responsibility of exposure since good practices and room conditions are uncontrollable

INSTALLATION

PROCEDURE

Once the Grossing Station is unpacked and carefully inspected, place it in the area where it is to be used. Once the Mk100 is in the desired position the utilities can be hooked up. The water lines are 1/2" hard copper, which will require a customer supplied on/off valve. We suggest ball type water valves to assure proper water flow in operating all workspace accessories. Drain lines are standard 1-1/2" IPS and need to be vented to assure proper drainage.

Electrical requirements need two (2 ea.) 115/1/60, 20 Amp Circuits. The electrical system is wired such that the disposal is independent of the table.

Test all water facilities to assure seating of valves in the off position. If a valve drips than first check for debris in the seat of the valve. Often there is debris in piping that accumulates during construction and can settle on the valve seat causing a leak. The Grossing Workstations are tested prior to departure at Mopec and completely flushed.



CLEANING AND MAINTENANCE

All stainless steel surfaces can be cleaned with soap and water which will remove debris. The stainless steel surfaces can be disinfected with a not caustic disinfectant. **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 elevate dirt from the grain finish. We suggest using BE046 Easy Soak or BE047 Bench Wipe for cleaning purposes.

Scratches can be removed simply by utilizing a "non-metallic" abrasive pad and rubbing in the same direction of the satin finish. Since most abrasive pads vary from one supply to another, so we suggest rubbing the entire surface to blend the scratch and blend the balance of the surface.

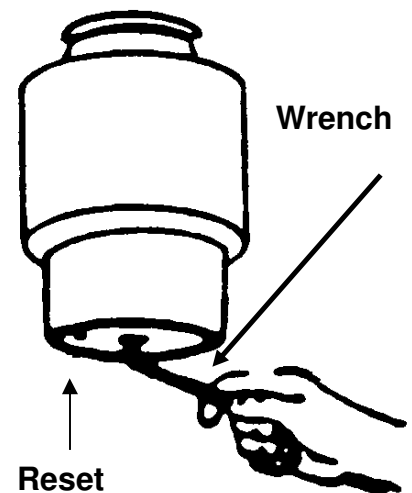
The plexi-glass surfaces will scratch if cleaned with an unsuitable cleaner and improper cleaning. Many plastic cleaners are available and we suggest using one. Typical directions note to liberally wet the entire surface to float dirt away. Wipe dry with a clean, absorbent cloth or paper towel turning often.

CORRECTING WASTE 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



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:

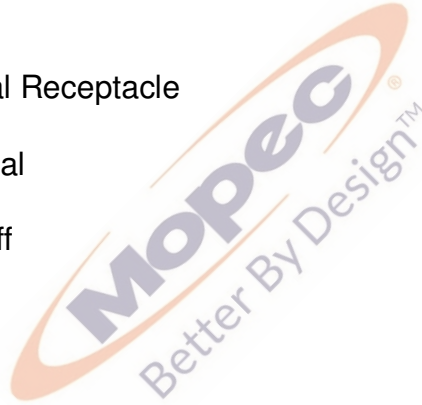
- Turn the main power switch Off (Approx. 45-60 seconds)
- Trip the GFCI (press the TEST button)
- Turn the main power switch On
- Reset the GFCI (Press the RESET button)
- Press and hold the down button on the switch
- Continue holding the down button and the unit will continue downward.
- Press and 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
- Continue holding the down button 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

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

STANDARD FEATURES

- Fixture with Swing Spout
- Paper Towel Holder
- Polyethylene Cutting Board
- Perforated Grid Plates
- Ventilation Chamber
- Ventilation Connection
- Fluorescent Light Bridge
- Hand Spray
- G.F.C.I. Electrical Receptacle
- Elevating Pedestal
- Formalin Pour Off



OPTIONAL FEATURES

- MB007: Hot/Cold Foot Pedal
- MB013 Halogen Light Magnifier
- MB015: Video Camera Arm
- MB016: Halogen Task Lighting – Dual
- MB017: Camera Stand
- BL300:1/2 HP Waste Disposal
- BL400 3/4 HP Waste Disposal



WARRANTY

MOPEC MK100 GROSSING WORKSTATION

THE GROSSING WORKSTATION EQUIPMENT AND ALL PARTS THEREOF, MANUFACTURED BY MOPEC, INC., IS WARRANTED TO OUR CUSTOMERS TO BE FREE FROM DEFECTS IN MATERIAL AND CONSTRUCTION WHEN SUBJECTED TO NORMAL USE AND SERVICE. THIS WARRANTY SHALL NOT APPLY TO ANY EQUIPMENT OR PART THEREOF, WHICH HAS BEEN SUBJECT TO ALTERATIONS, ACCIDENT, MISUSE, OR WHICH HAS BEEN USED MORE THAN ITS PUBLISHED CAPACITY.

MOPEC'S OBLIGATION UNDER THIS WARRANTY IS LIMITED TO REPAIRING OR REPLACING, WITHOUT CHARGE ANY PART OR PARTS OF SAID EQUIPMENT WHICH PROVE DEFECTIVE AND WHICH OUR EXAMINATION SHALL DISCLOSE TO OUR SATISFACTION TO BE THUS DEFECTIVE. WE DO NOT ACCEPT RESPONSIBILITY FOR CONSEQUENTIAL DAMAGE RESULTING FROM SUCH DEFECTIVE PARTS. THE PERIOD OF WARRANTY ON MOPEC, INC. EQUIPMENT IS AS FOLLOWS:

ALL EQUIPMENT: EQUIPMENT IS WARRANTED IN ITS ENTIRETY FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SALE. THIS WARRANTY INCLUDES PARTS AND LABOR FOR COVERED REPAIRS.

MOPEC, INC. WILL ACCEPT INCOMING DEFECTIVE PARTS, ONLY WHEN SHIPMENT IS PREPAID. THIS WARRANTY CONTRACT IS IN LIEU OF ALL OTHER WARRANTIES, AND RELEASES MOPEC, INC. OF ALL OTHER OBLIGATIONS OR LIABILITIES. IT NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR PERSONS TO ASSUME ANY OBLIGATION OTHER THAN THAT COVERED IN THIS WARRANTY.

MOPEC, INC., 21750 COOLIDGE HIGHWAY, OAK PARK, MI 48237.



CERTIFICATE OF REGISTRATION

This is to certify that

MOPEC, INC.

21750 Coolidge Highway, Oak Park, Michigan 48237 USA

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2008

for the following scope of registration

Design, Engineering, Manufacturing and Installation of Equipment and Distribution of Supplies for Morgue, Pathology, Histology and Necropsy Applications.

Certificate No: CERT-0036839

File No: 1068177

Issue Date: April 15, 2009

Original Certification Date: April 9, 2008

Current Certification Date: April 9, 2008

Certificate Expiry Date: April 8, 2011

Malcolm Phipps
Vice President Corporate Policies
QMI-SAI Canada Limited

Alex Ezrakhovich
General Manager,
SAI Global Certification Services Pty Ltd



ISO 9001

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Certificate		
Certificate no. CU 72041125 01		
License Holder: Mopec, Inc. 21750 Coolidge Hwy Oak Park MI 48237 USA	Manufacturing Plant: Mopec, Inc. 21750 Coolidge Hwy Oak Park MI 48237 USA	
Test report no.: USA-GB 30471065 0C1 Client Reference: Rick Bell		
Tested to: UL 61010-1:2004 CAN/CSA-C22.2 61010-1:2004 NFPA 79:2002		
Certified Product: Grossing Station		License Fee - Units
Model Designation: MMBXXXX (X= 0-9, A-Z, = not safety-relevant)	7	
Rated Voltage: AC 115V, 60Hz Rated Current: 20A Protection Class: I		
Special Remarks: To be installed according to the licensee's installation instructions.		
Appendix: 1		7
Licensed Test mark: 	Signatures  Stephan Schmitt President  Dipl.-Ing. M. Raap QA Certification Officer	
	Date of Issue (day/mo/yr) 04/02/2005	
TÜV Rheinland of North America, Inc., 12 Commerce Road, Newtown, CT 06470, Tel (203) 426-0588 Fax (203) 426-4009		

FOR REFERENCE ONLY

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MOPEC MK100 CROSSING STATION

