

Reference Manual

HB SERIES DISSECTION TABLES WITH HINGED COVERS



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Version 1



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800 Tech Row, Madison Heights, MI 48071
Phone: 1-800-362-8491 email: customerservice@mopec.com

Owner’s Record

Model No.: _____

Serial No.: _____

Voltage: _____

Dealers Name: _____

Dealers Address: _____

Date of Purchase: _____

Document Revisions

Date	Version Number	Document Changes
07-27-2022	1.0	Initial Release

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1 PREFACE

1.1 Description of the Equipment

The Mopec covered dissection tables with hinged covers are available in several different sizes with multiple options and accessories. The product is designed for anatomy labs and teaching facilities. Features a recessed top which eliminates the need for a body tray. Built with a slope, the table drains toward one end and into an optional drain bucket neatly suspended under the frame. Two heavy-duty hinged covers are provided to securely conceal the cadaver in a discrete manner. During the dissection, the hinged covers open safely to protect from shin injury, and lock neatly and securely under the table. A PVC ball valve is located under the drain to stop the flow of fluids while emptying the bucket.

1.2 Notations Used in This Manual


- **Length (L)** refers to the left to right length of the dissection table if the operator stands beside the table ready to open the covers.
- **Width (W)** refers to the left to right measurement perpendicular to the length.
- **Sloped top height (H)** refers to the heights of the table.


1.3 Models covered in this Manual

Model No.	Ventilation	Elevation	Dimensions
HB1400	-	-	86" L x 32.5" W x 36" H
HB1410	6" Single Connection	-	86" L x 32.5" W x 36" H
HB1420	6" Dual Connection	-	86" L x 32.5" W x 36" H
HB1500	-	32"-38"	92" L x 32.5" W x 32"-38" H
HB1510	6" Single Connection	32"-38"	92" L x 32.5" W x 32"-38" H
HB1520	6" Dual Connection	32"-38"	92" L x 32.5" W x 32"-38" H

1.4 Explanation of Safety Warnings

This manual employs the following symbols to call attention to warnings cautions and notices.

 **WARNING** Warning is used to indicate the presence of a hazard which CAN cause severe injury or death if ignored.

 **CAUTION** Caution is used to indicate the presence of a hazard which Will or CAN cause personal injury or property damage if the warning is ignored.

NOTICE Notice is used to notify people of installation, operation, or maintenance information which is important but not hazard related.

1.5 Obtaining Instructions

Instructions are typically supplied digitally on a USB type flash drive that is zip tied to the main faucet spout. At anytime the most current revision of this manual can be downloaded from the company website list in section 1.5

1.5.1 Internet

The latest version of the documentation is available at the following address: <http://www.mopec.com>

1.5.2 Ordering Documentation

Documentation, user instructions and technical information can be ordered by calling Mopec at **800-362-8491**.

1.5.3 Documentation Feedback

If you are reading Mopec product documentation on the internet, any comments can be submitted on the support website. Comments can also be sent to customerservice@mopec.com

We appreciate your comments.

2 Description of the product

2.1 Purpose of the Product

The Mopec HB series Dissection tables are designed for anatomy labs and teaching facilities. Features a recessed top which eliminates the need for a body tray. Built with a slope, the table drains toward one end and into an optional drain bucket neatly suspended under the frame. Two heavy-duty hinged covers are provided to securely conceal the cadaver in a discrete manner. During the dissection, the hinged covers open safely to protect from shin injury, and lock neatly and securely under the table. A PVC ball valve is located under the drain to stop the flow of fluids while emptying the bucket.

2.2 Technical Data

The HB series covered dissection tables are designed, and manufactured under the guidelines of:

- **ISO 9001:2015 with Design** – Mopec facility located at 800 Tech Row, Madison Heights MI USA.

2.3 Product Compliance

The HB series Dissection tables are designed, and manufactured under the guidelines of:

- **EN 61010-1:2010** Safety requirements for electrical equipment for measurement control and laboratory use.

2.4 Product elements

The HB series dissection table are constructed as one assembled unit. Image below shows the 2 main elements in its construction:



A. Frame

The frame constitutes the framework, caster wheels, underneath shelving, bucket holder, ventilation duct, drawers, and misting system control depending on the optioned configuration.

B. Covers

The covers securely conceal the cadaver in a discrete manner, contain the perforated grid plates, and contain the misters depending on the optioned configuration.

2.5 Warranty Statement

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 date of shipment or the date of installation (if installation is provided by Mopec), 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. 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. For shipments outside the United States or Canada, as to any defective or non-conforming part, the part will be replaced upon return of the part to Mopec. Mopec will owe no obligation to perform any repair or to install any replacement part.

3 Installation

Notice: If you have purchased installation from Mopec your installer will cover section 3

3.1 How to unpackage your workstation

3.1.1 Check for freight damage

- If the unit has sustained damage during transit or during unloading from carrier now is the time to file a freight claim.

NOTICE

Many large institutions use their own carriers. A freight claim would file with that provider.

- Check for damage to the skid that would result in an unsupported or twisted.
- Check that the sides of the crate have not been punctured or smashed.
- Check that the top of the crate has not sustained damage or has evidence of being placed upside down.
- Take photographs of any damage and contact Mopec or your private freight carrier if applicable.

3.1.2 Uncrating Contents

- Remove all the bracing at the bottom of the skid. Note the small 2"x 4" blocks nailed to prevent the unit from moving.
- Carefully cut the plastic wrap so the unit is not scratched and components are not damaged.
- Unwrap the plastic wrap and foam from the unit.
- Cut and remove and the metal banding material securing the unit.
- Look the unit over for hidden damage. If found, take photos and contact Mopec.

3.1.3 Transporting Unit to final location

- Wheel the unit to the desired location, pay close attention door wall widths especially when entering and exiting elevators or tight do.

3.1.4 Ventilation connection (in-house ventilation)

- Slide the supplied vent duct on the cart connection and connect the opposing end to the facility vent stubs.
- Tighten all hose clamps on the ducts.

3.2 Decommissioning the Unit

3.2.1 Decontaminate the unit.

- Decontaminate the workstation per your standard processes.
- Determine if drainage from the unit is classified as a biohazard. This will depend on your local ordinances.
- The disposal unit, the drain line and P-trap may contain fluids when disconnected.

3.3 How to Store the Product

3.3.1 Storage in place

- Disconnect the ventilation duct and tape off the opening to prevent dust and debris from entering.
- Disconnect power to the unit.
- Wipe WD40 on all stainless surfaces to protect from transfer rust.
- Cover or drape unit with a tarp.

3.3.2 Storage on a skid

- Follow steps in 3.3.1 to prep the unit.
- Strap the unit down across the worksurface and pull down towards the skid. Be sure to put padding on the edges of the worksurface where the straps contact the sheet metal.

3.4 Disposal and Recycling

Disposal of the unit is ultimately up to local codes and guidelines. The following section breaks down the materials of construction for recycling purposes.

3.4.1 Stainless Steel

- The Hood and frames are made entirely of 304 stainless steel. Remove all electronics and recycle appropriately.

3.4.2 Plastic

- The waterlines, fittings, flexible vent ducts are typically made of thermoplastics like polypropylene, vinyl and polyvinylchloride and should be recycled accordingly.

3.4.3 Electronics

- If equipped with the misting system the unit will have a battery and internal circuitry that should be recycled as electronic components.

4 Operation/Use of Misting System

4.1 How to Use the Misting System

4.1.1 Operation/Use of the Misting System

Once the time intervals are set, See section 4.1.1; The misting system can be filled through the top of the fluid container by removing the twist lock lid and pouring in water. Use the side sight window to view how full the tank is. This is also useful for monitoring and maintaining the level of fluid.

With the tank full, the underneath drain closed, and the covers fully closed the unit can be turned on by the front panel rocker switch. The hood with the spraying nozzles is remain closed whenever the misting system is ON.

If the Misting System feature is not in use or the water tank is near empty the electronic timer should be turned off by flipping the front panel switch to the OFF position. When the system is not in use the battery should be charged by plugging in the side charging port and plugging the other end into a 110VAC outlet. This will ensure adequate battery charge and ensure the battery stays maintained

Quick Start Guide of Misting System

4.2 Startup

The following section explains how the misting function timer is setup.

4.2.1 Powering On and setup.



- The timer is turned on and off by the front panel rocker switch
- To initially set the timer up in units of minutes, press the “SET” button for 3 seconds then follow the steps below
 - Press the up-arrow button to change the “Time 2” display to a value of “1”. This sets the units in mins.
 - 0= seconds mode, 1= minutes mode, 2= hour mode
 - From the factory, the units are set to “1” or minute mode.
 - Press SET to confirm
 - The unit will display “P1” and the operator will now press the up arrow button to set “Timer 2” to “4”. Wait 7 seconds to confirm this input.

-
- To set the delay timer follow the steps below:
 - With the system turned on Press the “Restart” Button
 - Then press “Set” which will flash the “Time 1”. This is the delayed interval in minutes that you want the sprayer to stay off. From the factory, it is set at 60 mins.
 - Pressing “Set” again will confirm your entry and now flash “Time 2”, which sets the interval of spray. From the factory, it is set at 1min intervals of spray.
 - Pressing “Set” or waiting 7 seconds confirms your entry

4.3 Powering down

4.3.1 Shut down

- To turn the system off the front panel rocker switch can be turned off, in which no spraying will happen, and the system is turned off.

5 Factory Options & Accessories

5.1 Standard Features

5.1.1 The HB series dissection tables are equipped with the following standard features

- All stainless steel construction
- Heavy-duty hinged covers with lid assist to safely and easily open and close, and protect from shin injury
- Recessed, non-removable top
- Level cart surface with a sloped recess
- Includes drain with PVC ball valve and drain tube
- (4) Heavy duty 8" Casters with (3) total lock and (1) direction lock
- (4) Post sockets included

5.2 Options & Accessories

Factory configured options are integrated or built into the unit and should be ordered when built. Although not recommended some options can be retrofitted in the field but will require a factory trained technician. This could also require the unit to undergo inspection per local guidelines or electrical safety codes.

5.2.1 Available Factory Options

- Lower Shelf
- Lower fixed drawers.
- Bridge-style or Post-style leg rests
- Bridge-style or Post-style book holder
- Removable bucket holder
- Stainless steel bucket
- Removable recessed 48" shelf
- Lower fixed drawers
- Automated Misting system

5.2.2 New Accessories

- New accessories are developed every day! To make a suggestion for a new accessory or to check on our latest go to www.mopec.com for more information.

6 MAINTENANCE

6.1 Stainless Steel Maintenance & Cleaning

6.1.1 Disinfecting Stainless steel

All stainless steel surfaces can be cleaned with soap and water to remove tissue and debris. The stainless steel surfaces can be disinfected with a non-caustic disinfectant.

- Always wipe in the direction of the stainless steel grain.
 - We suggest using BE045 Path Cloud or BE047 Bench Wipe for cleaning purposes.
- Most disinfectants must be followed up with a water rinse to remove the salts that remain after these products dry. Always follow up a disinfection cleaning with a thorough rinse of water.
- DO NOT USE a straight bleach solution to clean your unit. Bleach will eventually erode stainless steel if not thoroughly rinsed.
 - Erosion from chlorine bleach is detectable and will void the warranty.
 - If your process must use chlorine bleach it must not exceed 10% and must be rinsed immediately after disinfection to avoid damage to the metal.

6.1.2 Stainless Care and Maintenance

To maintain your stainless steel product, follow these steps:

- Rinse the surfaces with water frequently.
- Do not touch the surfaces with oily hands.
- Always use soft abrasive fine grit pads to clean grime in the direction of the metal grain.
- Once clean, condition your stainless surfaces with WD40 lubricant or stainless steel polish.

6.1.3 Use of DECAL

When Decal solution is used a brown rust ring along with a milky white substance can deposit on the surface. Decal is very harsh, even the fumes can cause staining on stainless steel. Consider placing 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.

6.1.4 Rust and Oxidation Formation

Rust can and will occur on stainless if it is not maintained properly. The most common cause of rust is from using a ferrous material on or near the unit. This is referred to as "transfer rust". Salts from cleaners or disinfectants can extract ferrous materials and deposit or transfer them to the stainless steel. Always rinse all disinfectants before they dry. Decal solutions and fumes are very aggressive and can deposit rust if not cleaned. Formalin use has not been shown to cause rust but it does contain salts and therefore can deposit rust.

There are a few ways to remove rust should you develop it.

-
- Vinegar – Pour White Vinegar on the rust and let it soak for 5 minutes. Scrub with a soft brush (like a toothbrush) Rinse with water and wipe dry.
 - Lemon Juice & Baking Soda – Mix equal parts of each into a paste and spread over affected area. Let it set for 30 minutes before washing away with a damp sponge. Repeat as necessary.
 - Rust Remover – as a last resort try a chemical cleaner like Magica Rust Remover [Magica Rust Remover | Best Rust Removal Products](#), and follow instructions.

6.1.5 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.

6.1.6 Fingerprints and solvent cleaning

The most common surface contaminates that occur from normal use are fingerprints and mild stains. These usually affect only appearance and do not have an effect on corrosion resistance. They can easily be removed by a variety of simple cleaning methods.

- Fingerprints 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. It is best to follow with a warm water rinse.

6.2 Mopec Service

PLEASE have the following Information available BEFORE you call from your station ID tag or original order or quote. Reference the ID tag located near the Power Switch under the GFCI outlet. Older unit may have this ID tag in the knee space on the sink side.

Call 1-800-362-8491 and follow the prompts. Or email us at customerservice@mopec.com