



# Canis Major<sup>®</sup> Wet Dental / Treatment Lift Table

**For models:**

*CMDT-45*

*CMDT-WS-45*

*CMDT-60*

*CMDT-WS-60*



## User's Guide

003-1725-00 Rev. AA1 5/2/17

# **Product Information**

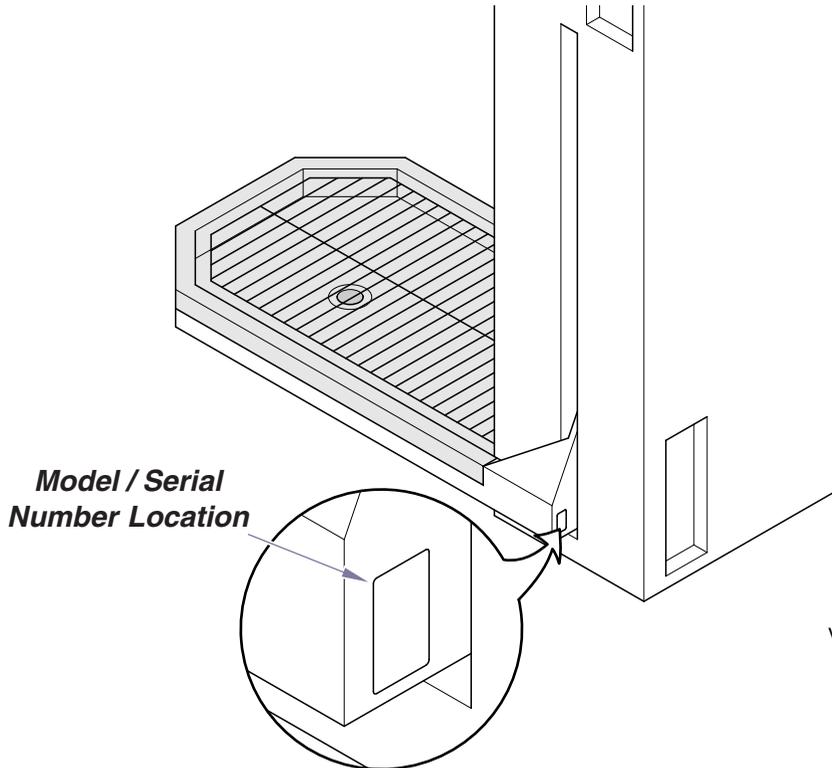
*(The information below is required when calling for service)*

**Dealer** [name / phone]:

**Date of Purchase:**

**Model / Serial Number:**

**Midmark Authorized Service Company** [name / phone]:



VA101100i

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# Important Information

## Safety Symbols



### **DANGER**

Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided. This symbol is used only in the most extreme conditions.



### **WARNING**

Indicates a hazardous situation which could result in serious injury if not avoided.



### **CAUTION**

Indicates a potentially hazardous situation which could result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices.



### **Equipment Alert**

Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

### **Note**

Amplifies a procedure, practice, or condition.



Dangerous voltage / shock hazard



Consult User Guide for important information.

## Transportation / Storage Conditions

Ambient Temperature Range: ..... 5°C to +38°C (+41°F to 100°F)

Relative Humidity ..... 10% to 90% (non-condensing)

Atmospheric Pressure ..... 500hPa to 1060hPa (0.49atm to 1.05atm)

## Intended Use

This product is intended to be used as a table to provide positioning, support and cleaning of animals during examination or minor surgery procedures conducted by qualified professionals.

## Electrical Precautions



### **WARNING**

When using high frequency surgical devices or endocardial catheters:

- Use nonconductive material to insulate patient from metal portions of table.
- Consult operating instructions for the device before use.

Failure to comply may result in electric shock or burns to patient.

# Safety Instructions



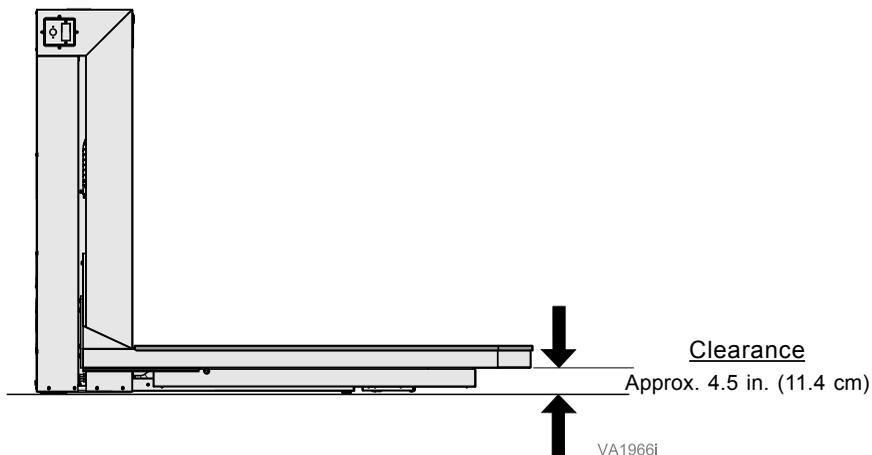
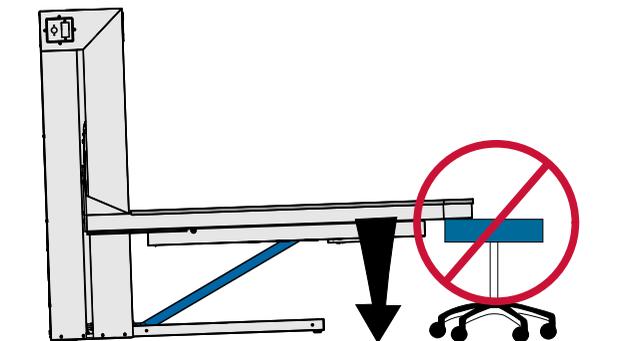
## CAUTION

*Be sure that all personnel and equipment are clear of the table before activating any function. Failure to do so could result in personal injury.*

At the table's lowest height [9.5 in. (24.1 cm)] the clearance between the bottom of the table and the floor is approximately 4.5 in. (11.4 cm). Make sure patient and all objects are clear of this area before lowering table.

If table malfunctions, immediately release control, unplug the table power cord and assist the patient from the table. If table continues to malfunction, call for service.

Failure to comply with these instructions may result in injury to patient and/or damage to equipment.



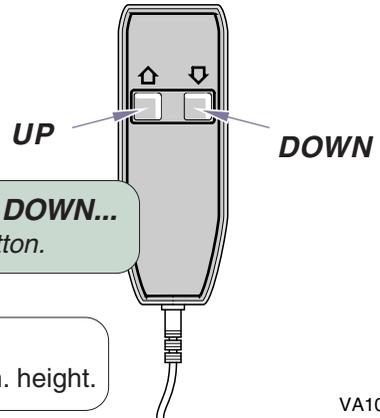
# Operation

## Table Up / Down

**To move the table top UP or DOWN...**  
Press and hold the appropriate button.

### Note

Movement automatically stops at the max. / min. height.

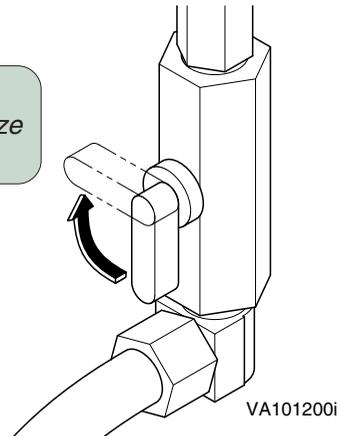


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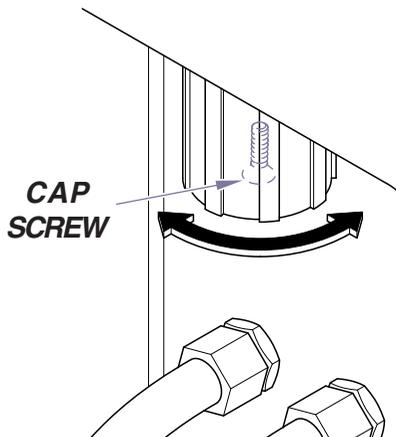
## Water System

**To acquire water pressure...**  
Turn water valve knob to side and utilize spray nozzle.

**Equipment Alert**  
Always close shutoff valve when table is not in use.



VA101200i



CAP  
SCREW

### To adjust water temperature...

Pull table away from wall, loosen screw on cap, turn mixing valve knob until desired temperature is achieved then tighten cap screw.

[factory setting: 70°F (21°C)]

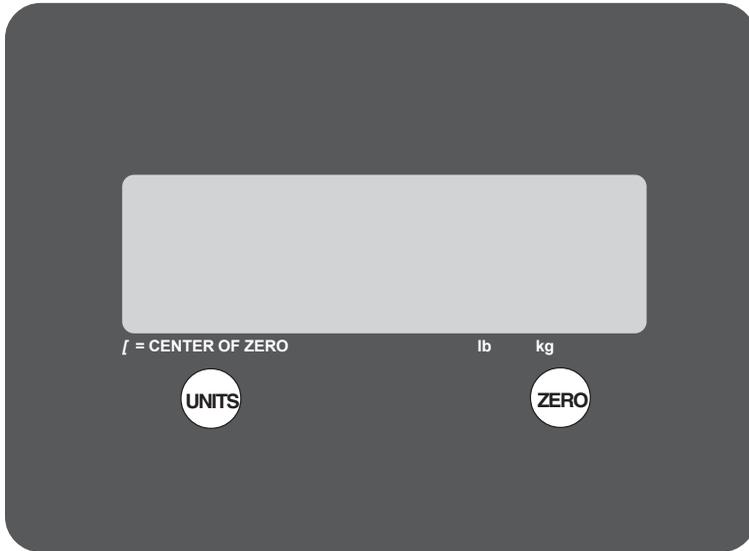
[adjustable range: 70° - 120°F (21° - 49°C)]

VA101300i

# Operation

## Scale (optional)

The 300 pound capacity platform scale utilizes four (4) built in load sensors. These electronic sensors are accurate within 5 grams, and are protected against impacts, moisture and liquid spills. The scale has been calibrated and all parameters are preset so it should never need calibration.



### Equipment Alerts

- Prevent flammables and liquids from entering the scale head.
- Allow adequate clearance on all sides of scale platform to ensure accuracy.
- Do not drop large loads onto the scale platform.
- Never exceed the rated capacity of the scale.
- Do not operate in close proximity to RF transmitters.

There are two (2) controls located on the display:

UNITS                      Toggles the displayed weight between pounds (lbs) and kilograms (kg).  
ZERO                        Resets the display to indicate zero (0.0).

### Note

The scale will not respond to the ZERO control under these conditions:

Motion on Scale

An under load condition (less than 0.1lbs or 50g)

An over load condition (more than 300lbs or 1kg)

# Operation

## Scale (continued)

### Weighing an animal without a cage:

- Zero scale (0.0), place animal on center of platform and read the weight displayed.

#### Note

A blank scale while weighing means excess motion is detected and weight averaging is in process. Once completed, the scale will display and HOLD the recorded weight. Adding additional weight while in the HOLD condition will NOT change the display.

### Weighing an animal with a cage:

- Place empty cage on center of platform, then zero scale (0.0).
- Remove cage from platform; scale will read negative weight (-\_.\_).
- Place cage with animal on center of platform and read/record weight.
- To continue to weigh animals in same sized cage, place next cage with animal on center of platform and read/record weight; do not zero scale.

### Troubleshooting:

<u>Symptom or Error</u>	<u>Possible Problem (and/or) Remedy</u>
No Display	Power is OFF. / Table is unplugged from the power source.
Incorrect weight	Interference with scale platform. / Ensure there is nothing in contact with the sides of the scale platform. Ensure the correct UNIT (of measure) is selected.
Display segment (s) missing/illegible	Low or intermittent voltage. / Unplug for one (1) minute to reset system then reconnect to original power source. Disconnect power cord and use different power source.
ZERO key does not reset to [0.0]	Motion or activity on the scale. / Remove source of motion. Ensure platform is level and supported evenly at corners. Weight on scale may exceed the zero limit. Unplug for one (1) minute to reset system.
Display "locked & will not change	System Error. / Unplug the unit for one (1) minute to reset system. then reconnect to original power source.
Displays "HiLoAd"	Weight on scale exceeds capacity. / Remove excess load.
Displays "HiLdX"	The load placed on the scale is too heavy on a corner [shown as X]. / Move load to center of the scale platform.
Displays "LoLdX"	The scale is under loaded / Ensure that tabletop cover pins are properly seated on load cells.

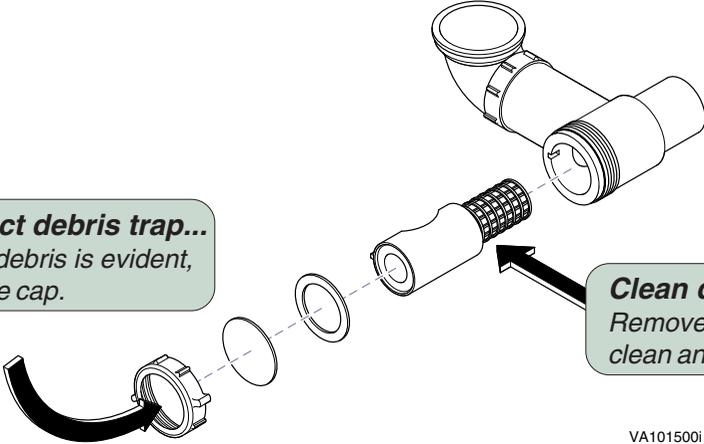
If the problem cannot be resolved using the above corrective actions, please contact Midmark at 1-800-Midmark (1-800-643-6275) or 937-526-3662.

# Maintenance

## Cleaning

### Debris Trap:

A debris trap exists beneath the drain of the stainless steel table tub. It should be visually inspected daily and removed and cleaned weekly if table is used only for examinations. The debris trap must be used and should be removed and cleaned after each procedure.



**Inspect debris trap...**  
If any debris is evident,  
remove cap.

**Clean debris trap...**  
Remove yellow trap,  
clean and replace.

VA101500i

### Painted Surfaces:

Clean the table weekly, wiping the painted metal and plastic surfaces with a clean, soft cloth, and mild cleaners. Periodic applications of common furniture wax will ease cleaning and maintain the finished luster of the table's painted surfaces.

### Stainless Steel Surfaces:

For best results, stainless steel should be cleaned weekly or whenever films or deposits become apparent. Use a mild cleaning agent and whenever possible rinse thoroughly and towel dry. More stubborn deposits or tightly adhering debris may require vigorous rubbing, or brushing. Always scrub with the grain of the stainless steel. If a commercial cleaner needs to be used, make sure it is approved for use on stainless steel surfaces.



### Equipment Alert

Always use nylon or plastic bristle scrubbers. The use of steel wool or steel brushes may cause steel particles to become embedded in the surfaces and will cause rust.

Avoid prolonged surface exposure to chlorides, bromides, iodides and thiocyanates. Salty solutions allowed to evaporate on stainless steel surfaces may cause pitting, corrosion or metal discoloration.

# Maintenance

## Troubleshooting

If the table will not go up or down, check the following:

- Unit is plugged into a wall outlet
- Power to the outlet
- No visible damage to wiring
- The table is at its maximum or minimum height
- Hand control is fully inserted and making proper connections

If the table won't drain, check the following:

- The filter is clogged

If the pump won't start, check the following:

- The filter is clogged
- Unit is plugged into a wall outlet
- Power to the outlet
- The water sensor is out of adjustment (contact factory)

If the pump won't stop running:

- The water sensor is out of adjustment (contact factory)

If the scale does not operate, check the following:

- Refer to scale section elsewhere in this manual

## Preventive Maintenance

Periodically inspect the following areas:

- Power cord should be free of cuts or other visible damage.
- All fasteners should be present and tightened securely.
- All mechanical functions should operate properly.

Have an authorized service technician inspect your table on a regular basis.

## Calling For Service

### Note

Model / Serial Number information is required when calling for service.

If service is required, contact your Midmark dealer.

To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662  
8:00 am until 5:00 pm. Monday through Friday (EST)  
*[excluding standard U.S. holidays]*

# Specifications

## Weights, Dimensions, Electrical Specifications

**Maximum Patient Weight:** ..... 300 lbs (136 kg)

**Weight of Table:**

45" tabletop ..... 366 lbs (166 kg)

45" tabletop [with packaging & skid] ..... 435 lbs (197 kg)

60" tabletop ..... 395 lbs (179 kg)

60" tabletop [with packaging & skid] ..... 465 lbs (211 kg)

*(Add 5 lbs (2.2 kg) for units equipped with a scale)*

**Range of Motion & Dimensions:** ..... *(see illustration below)*

**Electrical Requirements:** ..... Dedicated Circuit, 115 VAC, 60Hz, 10A

**Power Cord:** ..... 4 ft. (121 cm) long

**Duty Cycle**

(actuator run time): ..... Intermittent Operation

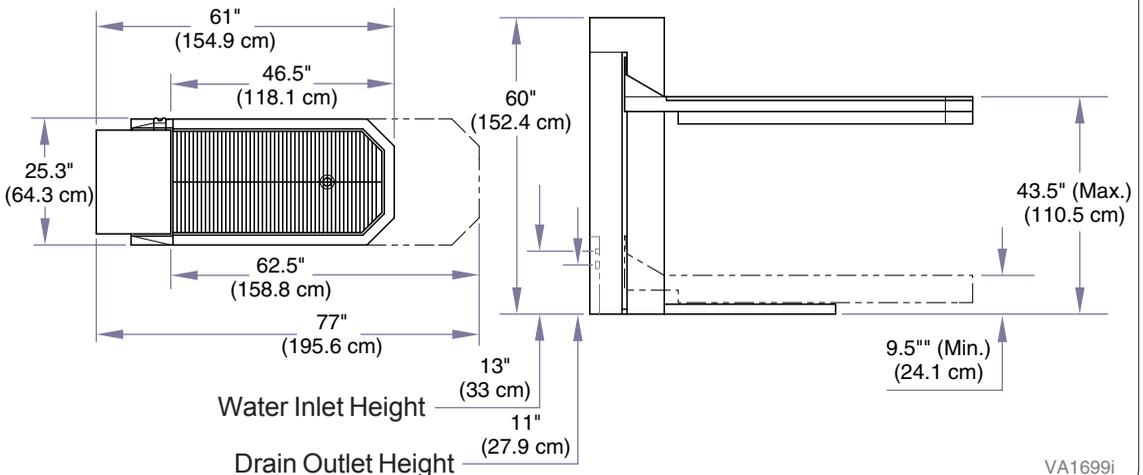
[1 minute ON / 9 minutes OFF]

(pump run time): ..... Intermittent Operation (thermal protection)

[90 minute ON @ < 230° case temp.]

**GFI Receptacle:** ..... Class A, 2P, 125V, 60HZ

## Range of Motion & Dimensions



VA1699i

# Warranty Information

**SCOPE OF WARRANTY** Midmark Corporation ("Midmark") warrants to the original retail purchaser that it will repair or replace components of the animal health products manufactured by Midmark (except for products and components not warranted under "Exclusions") that are defective in material or workmanship under normal use and service. The sole remedy under this limited warranty is the repair or replacement, at Midmark's option, of the applicable products or components. This limited warranty shall only apply to defects that: (i) are reported to Midmark within the applicable warranty period; and (ii) are determined to exist upon examination by Midmark. This limited warranty extends only to the original retail purchaser of a product, and is not transferable or assignable.

**APPLICABLE WARRANTY PERIOD** The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

**OBTAINING WARRANTY SERVICE** Warranty service must be obtained through either Midmark or an authorized dealer in the Midmark product line for which warranty service is requested. Midmark may be contacted for warranty service inquiries or issues via email at [www.midmark.com](http://www.midmark.com), by mail to Midmark Corporation, 60 Vista Drive, Versailles, Ohio 45380, or by phone at: 1-800-MIDMARK.

It is the retail purchaser's obligation to arrange for delivery of a product to Midmark or one of its authorized dealers for warranty service, which delivery shall be at retail purchaser's expense. It is also the retail purchaser's obligation to comply with the warranty service instructions provided either by Midmark or its authorized dealer. The retail purchaser must provide Midmark with completed warranty registration information within thirty (30) days after purchase in order to obtain the benefits of this limited warranty.

**EXCLUSIONS** This limited warranty does not cover and Midmark shall not be liable for the following:

- (1) defects, damage or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident (including animal acts of any kind), freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- (2) matching of color, grain or texture except to commercially acceptable standards;
- (3) changes in color caused by natural or artificial light;
- (4) products which are not installed, used and properly cleaned and maintained as required in the installation and operation manuals for the applicable product (imaging product must be installed by a certified Midmark installer);
- (5) products considered to be of a consumable nature;
- (6) accessories or parts not manufactured by Midmark;
- (7) specially manufactured products;
- (8) charges by anyone (including Midmark's authorized dealers) for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing in advance by Midmark;
- (9) costs and expenses of routine maintenance and cleaning;
- (10) all sinks, faucets and plumbing accessories;
- (11) representations and warranties made by any person or entity other than Midmark; and
- (12) with respect to software that is a product or a component thereof, that the software will be error free, can be used without problems or interruptions, or will be free from vulnerability to intrusion or attack by viruses or other methods.

**EXCLUSIVE REMEDY; CONSEQUENTIAL DAMAGES DISCLAIMER** Midmark's only obligation under this limited warranty is the repair or replacement of defective parts. Midmark shall not be liable for and hereby disclaims any direct, special, indirect, incidental, exemplary or consequential damages or delays including, but not limited to, damages for loss of profits or income, loss of use, downtime, cover, and employee or independent contractor wages, payments and benefits. This disclaimer shall survive any failure or asserted failure of the essential purpose of this limited warranty or its remedies specified herein.

**NO AUTHORIZATION** No person or firm is authorized to create or approve for Midmark any other obligation or liability in connection with Midmark products.

**WARRANTY DISCLAIMER: THIS LIMITED WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**STATUTE OF LIMITATIONS** No action may be brought against Midmark for breach of this limited warranty, an implied warranty, if any, or for any other claim arising out of or relating to the products, more than ninety (90) days following expiration of the warranty period. In the event multiple warranty periods exist with respect to a product, the ninety (90) day period provided for herein shall begin to run from expiration of the warranty period for the component to which the claim relates.

**SEVERABILITY** In the event any provision of this limited warranty is determined to be invalid or otherwise unenforceable: (i) the provision shall be enforced in a manner that closest holds to its intent, while at the same time curing the invalidity or unenforceability, and (ii) the balance of this limited warranty, being severable, shall not be affected in the event the provision that is invalid or unenforceable cannot be enforced in any respect.

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Because we care.