



Electric and Hydraulic Column Surgery Tables

User Guide

For V-Top and Flat-Top Surgery Tables



Electric Column
Surgery Table



Hydraulic Column
Surgery Table





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Important Information

Safety Symbols



WARNING

Indicates a potentially hazardous situation which could result in serious injury.



Caution

Indicates a potentially hazardous situation which may result in minor or moderate injury. It may also be used to alert against unsafe practices.



Equipment Alert

Indicates a potentially hazardous situation which could result in equipment damage.

Note

Amplifies a procedure, practice, or condition.

Unpacking



WARNING

Do not move the surgery table alone. Improper handling could result in serious injury or damage to the product.

Note

Save all packaging and keep intact until product satisfaction is confirmed.

Open packages carefully. Inspect the shipping carton and contents for any visible damage. This is important in the event that any breakage has occurred during transit.

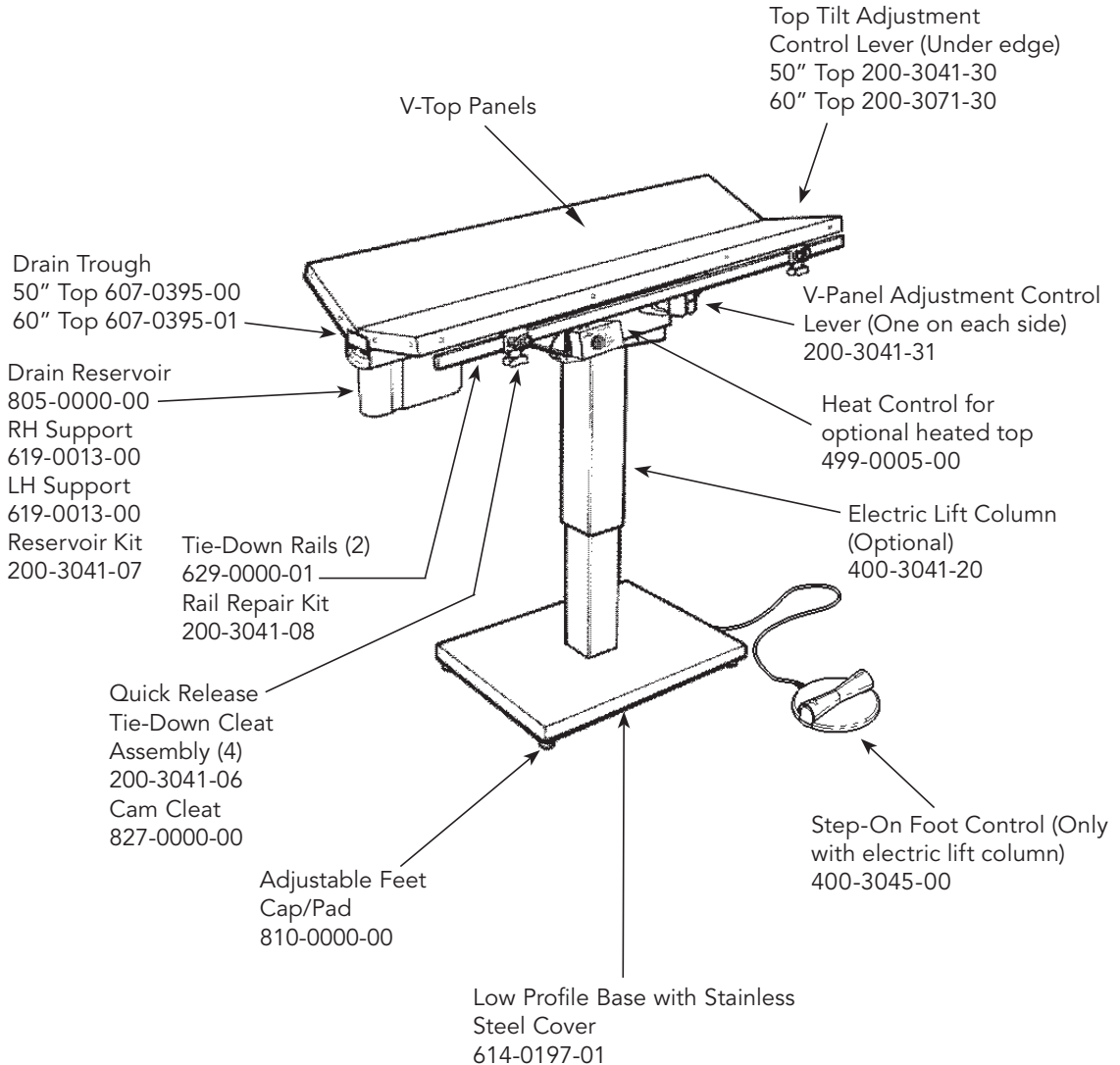
Disposal of Equipment

At the end of product life, the table, accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

Parts Identification

Electric Column V-Top

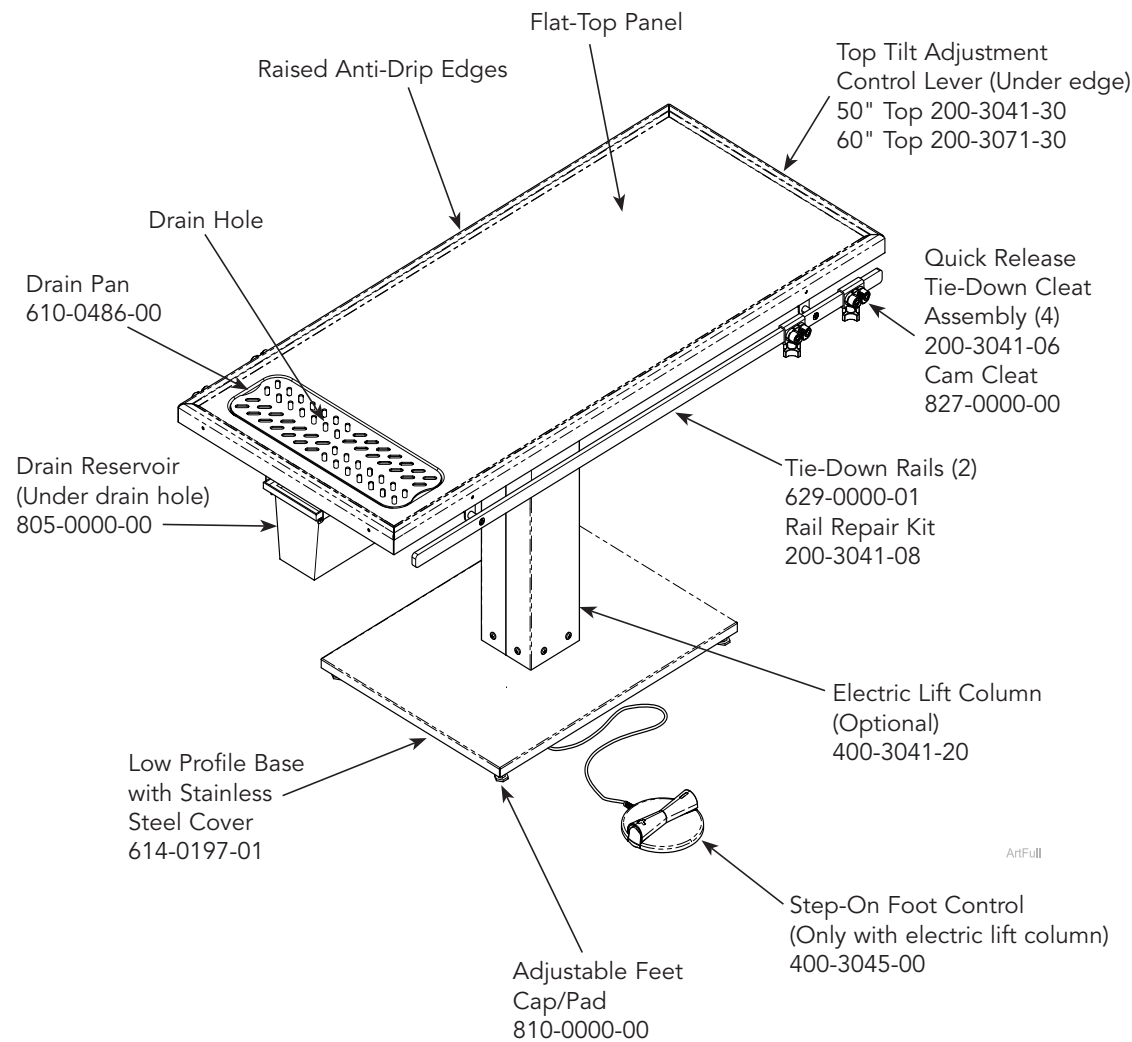
Cylinder Mounting Bracket
614-0030-00



Parts Identification continued

Electric Column Flat-Top

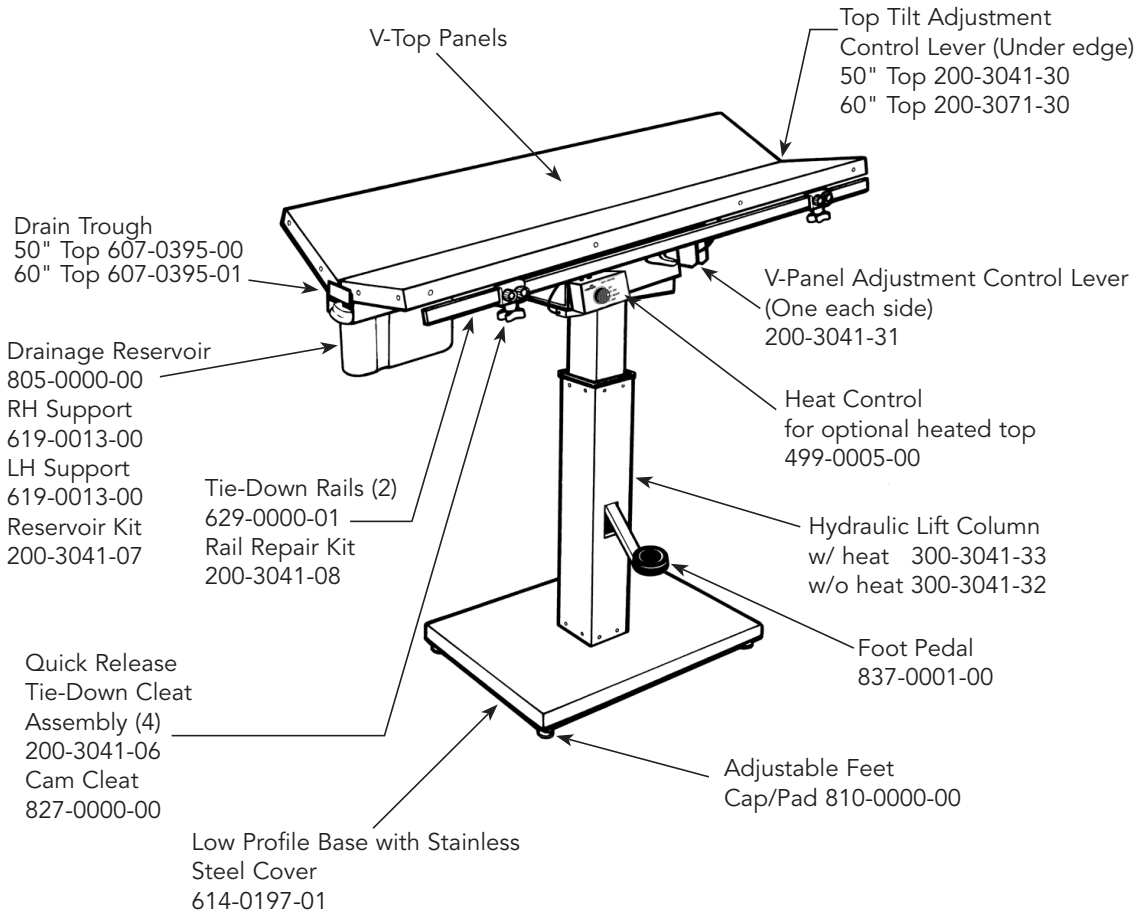
Cylinder Mounting Bracket
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Parts Identification continued

Hydraulic V-Top

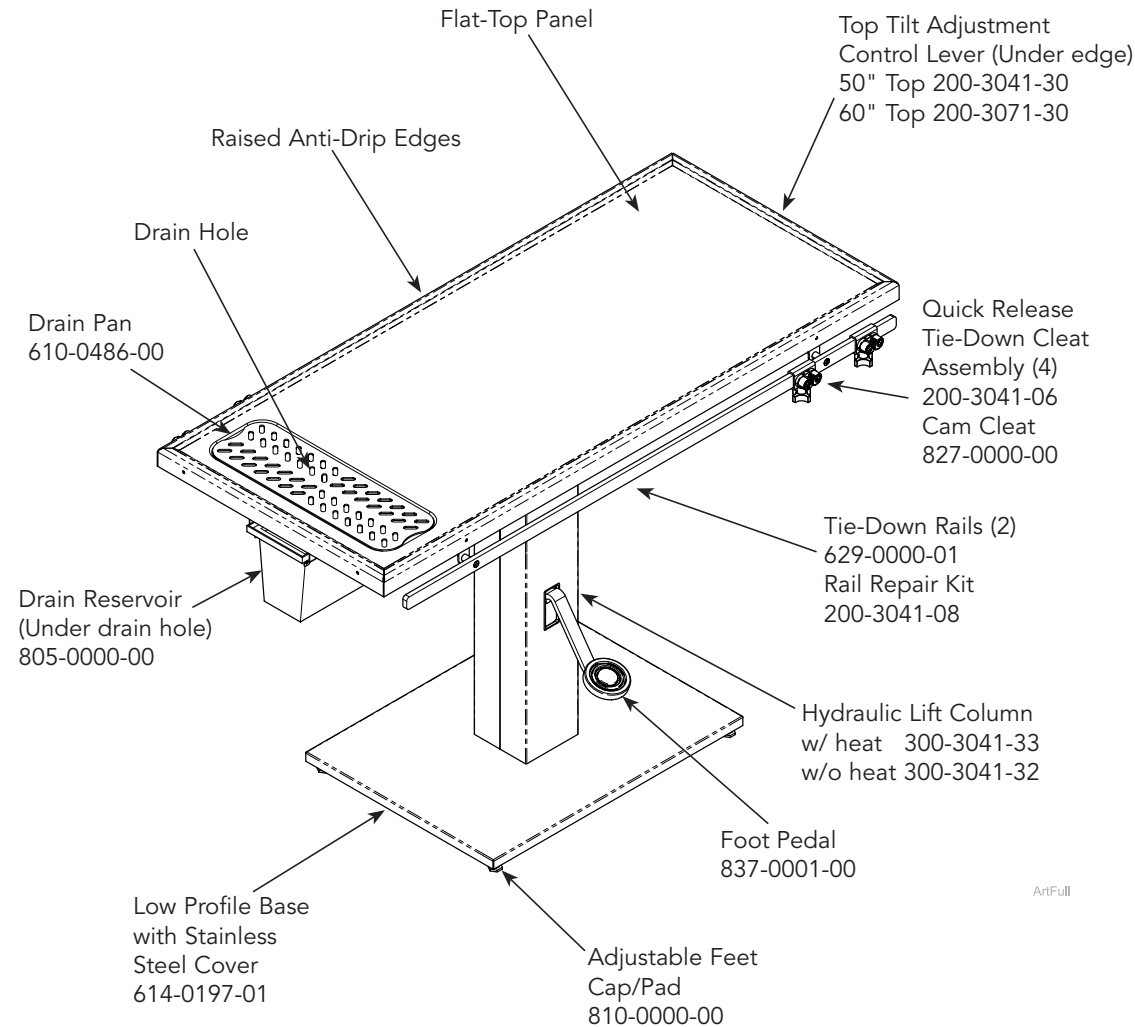
Cylinder Mounting Bracket
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Parts Identification continued

Hydraulic Flat-Top

Cylinder Mounting Bracket
614-0030-00



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V-Top and Flat-Top Surgery Tables

Note

The Midmark Electric Column and Hydraulic Column Surgery Tables arrive pre-assembled and in the lowest position. Remove table from packaging and place in position. Use a four-wheeled furniture cart to move table. If a cart is not available, use care when lifting and carrying table.



Equipment Alert

When moving V-Top surgery table, NEVER lift table by V-panels! Lift by grasping polished stainless steel support frame instead. When moving Flat-Top surgery table, lift by the tabletop. Do NOT use the tie-down rails as handles - this applies to both V-Top and Flat-Top tables. Do not move surgery table alone. Improper handling may result in injury or damage to the product.

Step 1:

Assure table top is in its lowest position. Refer to "Operation/Features" for adjusting instructions.

Step 2:

For V-Top tables, remove drainage reservoir and drain trough from the table.

Step 3:

For Hydraulic Column Tables, the hydraulic column will fully extend as the table is lifted. Lift and move with caution. The hydraulic column will return to normal operating position when table is placed on floor and not being lifted.

Step 4:

Position table to allow plenty of space on all sides. 50" V-top tables have a 50" drain trough and 60" V-top tables have a 60" drain trough, both of which are removable from the tilt handle end of the table. To allow easy removal for cleaning, V-Top tables should be placed at least 50" and 60" respectively from the tilt handle end of the table to the nearest wall. Access to the drain reservoir on the opposite end of the table is also required for removal and cleaning on both V-top and Flat-top surgery tables. Surgery tables equipped with the electric lift column or heated top option need to be within reach of a standard power outlet.

Step 5:

After table is positioned, snap non-skid rubber pads over metal adjusting feet.

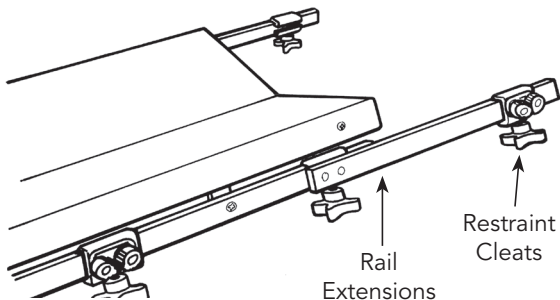
Installation continued

Step 6:

Before using the Midmark electric or hydraulic column surgery table, read the Operations/Features information within this User Guide thoroughly, peel off white plastic film covering the stainless steel, and if table is equipped with heated top option, review Safety Guidelines prior to removing label from tabletop surface. For cleaning instructions, refer to the Care and Cleaning section.

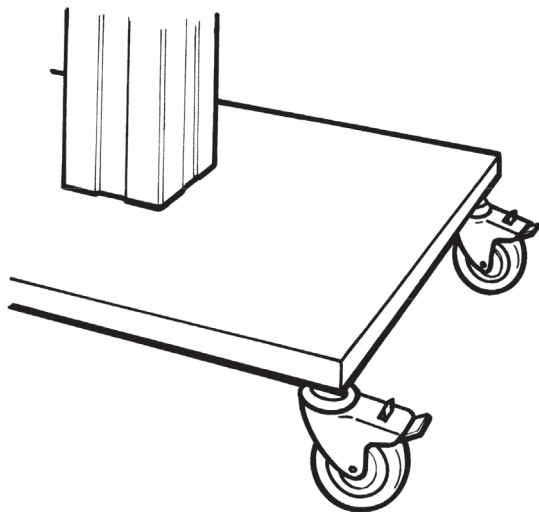
Accessories

Electric and Hydraulic Table Accessories



All tables may be ordered with an optional pair of 14" long rail extensions to accommodate larger animals. Each pair of extensions includes two quick-release tie-down cleats.

No. 200-3041-01 Rail Extension Set with Cleats



Casters may be ordered with any surgery table to provide easy mobility. Each set includes four locking casters. Locking casters lock and unlock easily with step-on control. Casters will raise the height of the table 4".

No. 200-3041-05 Caster Set for Surgery Tables
(prior to Oct. 2018)

No. 200-3041-34 Caster Set for Surgery Tables
(Oct. 2018 to present)

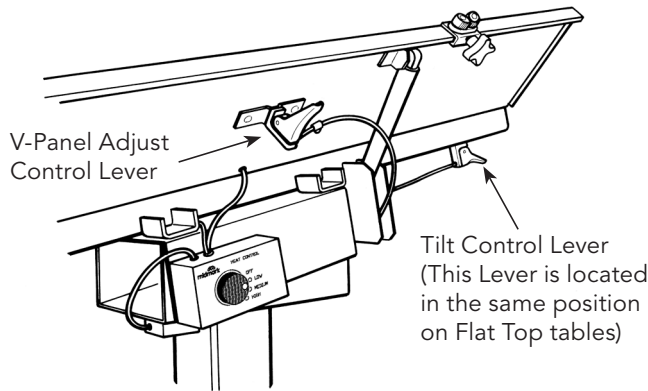
Operation/Features

V-Top and Flat-Top Tilt and V-Top Angle Adjustment

The Midmark Electric Column and Hydraulic Column Surgery Tables are designed for easy one-handed adjustment of table tilt and V-Top panel angles.

To adjust the tilt or V-Top angle:

Depress the desired touch control lever while simultaneously adjusting the top angle. Release the lever and the panel is solidly locked in place.

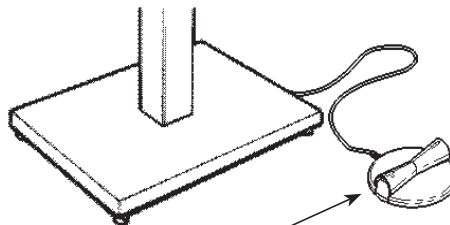


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Electric Column Adjustment

To adjust the height of the tabletop for electric lift models:

Step on the foot control to raise or lower the table.



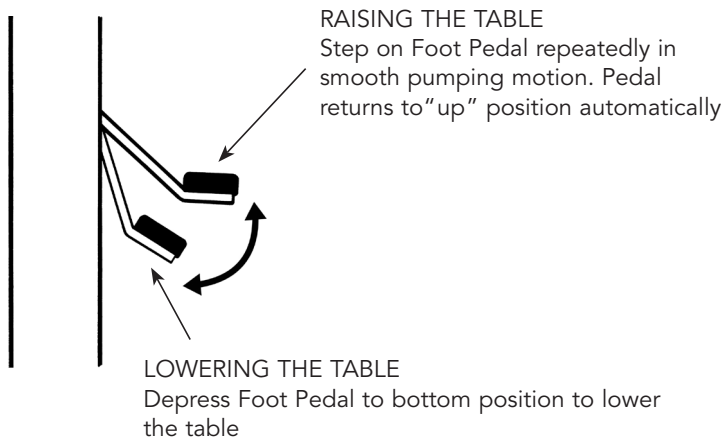
Step on Foot Control

Operation/Features continued

Hydraulic Column Adjustment

To adjust the height of the tabletop for hydraulic lift models:

Raise the tabletop by stepping on the foot pedal repeatedly in a smooth, pumping motion until the table reaches the desired height. While doing so, depress the pedal only until meeting greater resistance. (When depressing the pedal until it stops, the hydraulic cylinder will release and table will lower.) To lower the tabletop, fully depress and hold the pedal until the table "sinks" to the desired position. To keep the hydraulic pump properly lubricated, the table should be raised to the highest position and then lowered completely, at least once a week. When not in use, store table in lowest position.



Heated Top Control Operation

Heated Top Option

The optional heated top provides thermal support during surgery. All patients should be monitored continuously to prevent any possible over-heating.

Operation/Features continued



Heated Surgical Table Safety Guidelines

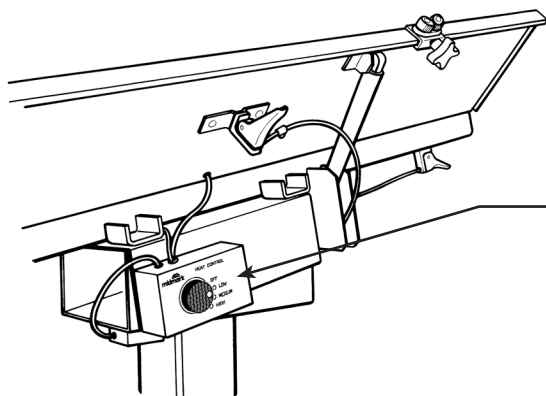
- 1) **DO NOT** place patients directly on the heated surgical table without a non-thermal towel/blanket/proper padding between the heated tabletop and the patient.
- 2) All patients on heated top tables must be monitored continuously to prevent overheating.
- 3) Covering a patient with a towel or using external heat sources in combination with a heated tabletop can impede heat dissipation from the tabletop surface, which may lead to increased temperature and risk of thermal burns or overheating of the patient. Anesthetized patients are vulnerable, as they cannot sense discomfort or reposition themselves. Continuous temperature monitoring of the patient and table heat output is essential to ensure patient safety.
- 4) Extra caution should be taken to monitor temperature and skin condition when moisture is present. During procedures, fur and skin may become exposed to fluids, alcohol, or gel, losing its insulating properties and allowing more direct transfer of heat from the surgical table to the skin, increasing the risk of burns or overheating.
- 5) Careful selection of temperature settings is essential to ensure patient safety when using heated surfaces to warm patients.
 - **DO NOT** use the high heat setting on patients with poor perfusion, including those with short hair, poor circulation, severe illness that may impact circulation, or patients undergoing procedures longer than 2 hours. These patients are at an increased risk of thermal injury.
 - **DO NOT** warm ischemic or non-perfused tissue; these areas are highly susceptible to burns and tissue damage due to their inability to dissipate heat.



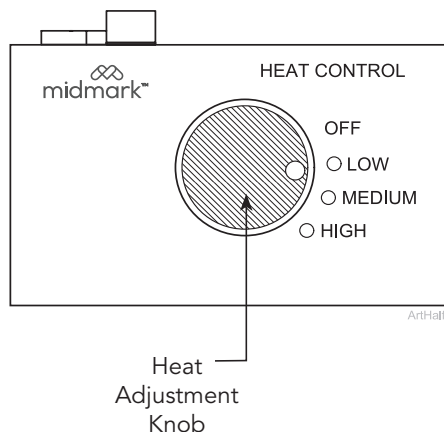
Best Practices

- 1) Place non-thermal padding between the patient and heated surface.
- 2) Monitor patients continuously.
- 3) Adjust heat settings based on patient condition.
- 4) Inspect patient's skin regularly during procedures.

Operation/Features continued



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Heat Control Operating Instructions

- 1) Turn control knob to desired setting of high, medium, or low. The LED light next to the corresponding setting will turn green to indicate that setting is in use.
- 2) Allow 15 minutes for uniform tabletop temperature.
- 3) Deactivate heat by turning to the OFF position.



Scan for Safety Guidelines Video.

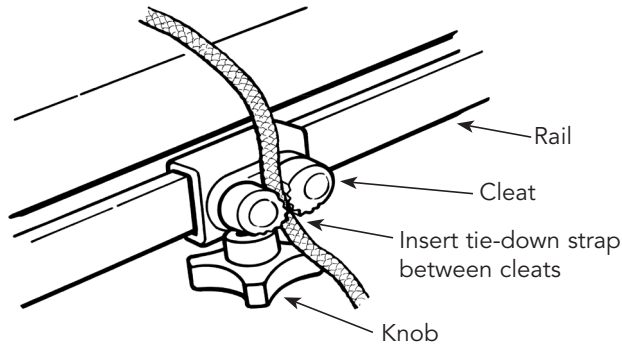
Rails and Cleats

Tie-down rails are mounted to the table edges for easy access, ensuring that quick-release restraint cleats are always positioned at the same height as the patient's body. Cleats may be moved to any position along the length of the table by loosening the knob that clamps the cleat to the rail.

Operation/Features continued

Rail Cleats

Quick-release restraint cleats allow one hand operation. Tie-down straps slip easily into the cleats to hold the patient securely in place. To release, simply pull the tie-down strap in a downward, outward motion.



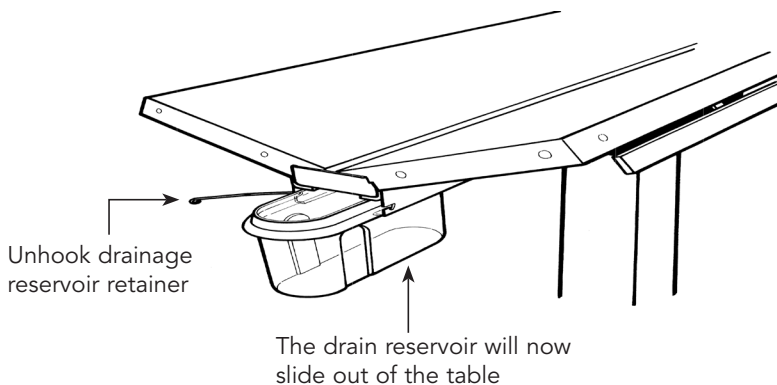
Drainage

V-Top Drain Trough

V-top surgery tables feature a removable drain trough for easy cleaning. To remove the drain trough, first lower the V-panels to the flat position. The drain trough will slide out of the tilt handle end of the table.

V-Top and Flat-Top Drainage Reservoir

Surgery tables feature a slide-out drainage reservoir that catches waste fluids as they drain from the drain trough. To remove the drainage reservoir for cleaning, unhook the metal retainer hook and slide the reservoir out.



Maintenance

Calling for Troubleshooting and Service

For troubleshooting or if service is required, contact Midmark directly: US 844.856.1232 / Canada 937.526.8585 Monday-Thursday 8:00AM until 6:00PM Friday 8:00AM until 5:00PM ET

Note

Model / serial number information is required when calling for service.

Care and Cleaning

The Midmark Electric Column and Hydraulic Column Surgery Tables may be cleaned with any commercially available product recommended for use on stainless steel. Frequent cleaning will prolong life and help maintain the natural luster of the stainless steel.

To prevent scratching, use a soft cloth to clean top. If scrubbing is necessary, use a nylon or plastic type scrubber. When cleaning, always rub in the direction of the “grain” of the metal.

To remove minor scratches, we recommend using a 3M ScotchBrite® scouring pad rubbed lightly in the direction of the “grain” of the metal.

Never use steel wool or steel brushes when cleaning the surgery table. Steel particles may become embedded into the stainless steel and cause rust.

Avoid use of Chlorine Bleach for Cleaning

Chlorides, bromides, iodides and thiocyanates will cause pitting, corrosion and discoloration of any stainless steel. If using bleach, clean thoroughly with water to completely remove bleach residue.

Avoid Excessive Moisture

The Midmark Electric Column and Hydraulic Surgery Tables contain electronic components that may be damaged by excessive exposure to moisture. When cleaning or mopping the floor, do not leave the table in standing water. For thorough cleaning, remove the drainage trough and reservoir and wash separately. Refer to “Features/Operation” for removal instructions.

Periodic Maintenance

Periodically inspect the following areas:

Power cord(s) should be free of cuts or other visible damage.

All fasteners should be in place and tightened securely.

All mechanical functions should operate properly.

Specifications

Electric Column Surgery Table with either V-Top or Flat-Top

This specification includes dimensions and materials for the Flat-Top and V-Top Surgery Tables equipped with electric lift.

Table Specifications		
Physical Dimensions		
Overall Length	(A)	See "Table Dimensions"
Overall Height	(B)	See "Table Dimensions"
Overall Width	(C)	See "Table Dimensions"
Table Capacity	250 lbs (1112 Newton)	
Base	47.2 cm x 61.0 cm (18" x 24")	
Weight		
Weight	See "Table Dimensions"	
Electric Actuator		
Actuator	110/220 VAC 60/520 Hz	
DC Control Module	24 VDC 2.9 A	
Battery	24 VDC	
Materials		
V-Top	Series 304 18 ga stainless steel*	
Flat-Top	Series 304 18 ga stainless steel*	

**Series 304 is referred to as medical grade due to its composition.*

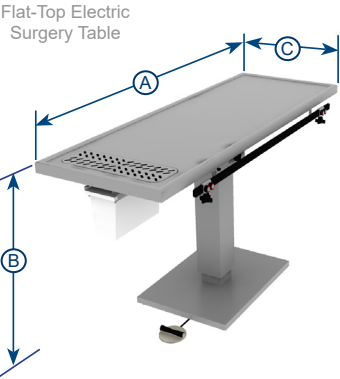
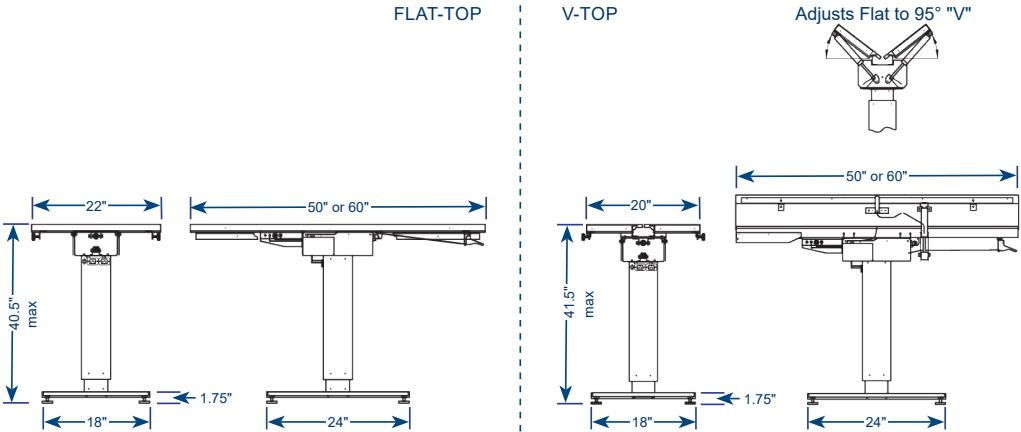


Table Top Sizes	
Flat-Top	127 cm x 55.9 cm (50 in x 22 in) 152 cm x 55.9 cm (60 in x 22 in)
V-Top	127 cm x 50.8 cm (50 in x 20 in) 152 cm x 50.8 cm (60 in x 20 in)

Table Dimensions*					
Table Type	Top Size	Weight	A - Length	B - Height*	C - Width
Flat-Top	50 inch	118 kg (261 lb)	127 cm (50 in)	72.4 cm (28.5 in) Down	55.9 cm (22 in)
	60 inch	127 kg (281 lb)	152.4 cm (60 in)	102.9 cm (40.5 in) Up	
V-Top	50 inch	113.9 kg (251 lb)	127 cm (50 in)	74.9 cm (29.5 in) Down	50.8 cm (20 in)
	60 inch	132 kg (271 lb)	152.4 cm (60 in)	105.4 cm (41.5 in) Up	

** All dimensions are ±1/8 inch.*



Note: Table height has 12" adjustable range and 0-37° adjustable tilt angle.

Specifications continued

Hydraulic Column Surgery Table with either V-Top or Flat-Top

This specification includes dimensions and materials for the V-Top and Flat-Top Surgery Tables equipped with hydraulic lift.

Table Specifications		
Physical Dimensions		
Overall Length	(A)	See "Table Dimensions"
Overall Height	(B)	See "Table Dimensions"
Overall Width	(C)	See "Table Dimensions"
Table Capacity	250 lbs (1112 Newton)	
Base	47.2 cm x 61.0 cm (18" x 24")	
Weight		
Weight	See "Table Dimensions"	
Materials		
V-Top	Series 304 18 ga stainless steel*	
Flat-Top	Series 304 18 ga stainless steel*	
*Series 304 is referred to as medical grade due to its composition.		

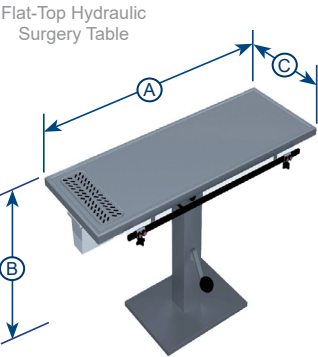
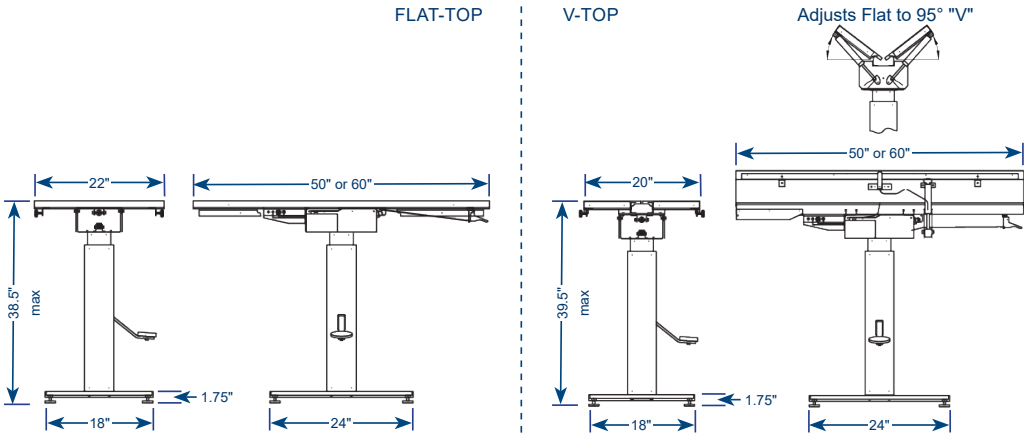


Table Top Sizes	
Flat-Top	127 cm x 55.9 cm (50 in x 22 in) 152 cm x 55.9 cm (60 in x 22 in)
V-Top	127 cm x 50.8 cm (50 in x 20 in) 152 cm x 50.8 cm (60 in x 20 in)

Table Dimensions*					
Table Type	Top Size	Weight	A - Length	B - Height*	C - Width
Flat-Top	50 inch	118 kg (261 lb)	127 cm (50 in)	82.6 cm (32.5 in) Down	55.9 cm (22 in)
	60 inch	127 kg (281 lb)	152 cm (60 in)	97.8 cm (38.5 in) Up	
V- Top	50 inch	122.9 kg (271 lb)	127 cm (50 in)	85.1 cm (33.5 in) Down	50.8 cm (20 in)
	60 inch	132 kg (291 lb)	152 cm (60 in)	100.3 cm (39.5 in) Up	
* All dimensions are ±1/8 inch.					



Note: Table height has 6" adjustable range and 0-37° adjustable tilt angle.

Warranty Information



Warranty Registration





60 Vista Drive
Versailles, OH 45380 USA
1.800.643.6275
midmark.com