

VACUUM CURING/DEBULKING TABLE

Features & Benefits

- ▶ Heat and vacuum in one easy step for debulking and curing composite parts
- ▶ Single setup greatly reduces overall time and cost associated with traditional debulking and autoclave curing
- ▶ Reusable vacuum bag with an 800% elongation factor
- ▶ Curing temperatures up to 400°F (204°C)
- ▶ Individual zone controls
- ▶ Wide variety of configurations available to meet your application



VT10000 Series



VT8000 Series with top heat



VT4000 Series



VT4000 Series with top heat

Custom sizes and watt densities available.

VACUUM CURING/DEBULKING TABLE

Specifications

General

Maximum Continuous Operating Temperature: 400°F (204°C)

Temperature Control Type: Programmable, PID autotuning, multiple ramp/soak steps

Temperature Control Display: Dual display shows set-point and actual process temperature

Temperature Display Units: °F or °C

Heating Element: Multi-stranded resistance wire heating tapes layed out evenly underneath aluminum surface for optimal temperature uniformity

Heater Break Protection: Included

Alarms: Type-J thermocouple with audible high temperature alarm and loop break alarm

Security: Program security lock levels

Table Surface Material: T6061 Aluminum

Table Surface Thickness: 0.5 in (13 mm)

Table Structure: 2.5 in (635 mm) steel box tubing

Lid: Dual ball screw actuators for positive lid movement

Safety Interlocked Push Buttons: Ensures both hands are on the operating console while the lid is in motion

Casters: Polyurethane, (6) swivel, ends are locking type

Sound Level: Less than 65 db CFM of db

Power

Voltage: Choice of 3-phase 208, 240, 380, or 480 VAC

Frequency: 50-60 Hz

Fuse Protection: Included

Vacuum

Vacuum Pump: 2-stage electric oil-less rocker piston vacuum pump

Vacuum Gauge: Dry, dual scale, 0- 30 inHg / 0-100 kPa / 0-1 bars, 2.5 in (635 mm) diameter

Vacuum Bag: High tear strength, reversion resistant silicone rubber reusable vacuum bag, clear, 25 shore A hardness, 800% elongation, 700 PSI tensile

Vacuum Seal: Silicone rubber delta seal

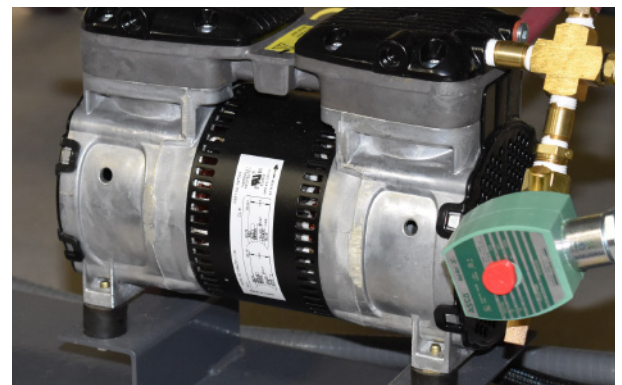
Maximum Vacuum Pressure: 28.8 inHg (711 mmHg)



VT10000 Series with top heat



Easy-to-Use Operator Interface



Vacuum Pump

VACUUM CURING/DEBULKING TABLE

Specifications (continued)

Physical Dimensions and Weights

Size	VT4000	VT8000	VT10000
Width	77 in (1.9 m)	143 in (3.6 m)	150 in (3.8 m)
Depth	72 in (1.8 m)	72 in (1.8 m)	84 in (2.1 m)
Height (closed)	45 in (1.1 m)	45 in (1.1 m)	45 in (1.1 m)
Height (open)	118 in (3.0 m)	118 in (3.0 m)	118 in (3.0 m)
Top Surface Area	60 in x 66 in (1.5 m x 1.7 m)	60 in x 132 in (1.5 m x 3.4 m)	72 in x 144 in (1.8 m x 3.7 m)
Useable Area	52 in x 56 in (1.3 m x 1.4 m)	52 in x 124 in (1.3 m x 3.1 m)	66 in x 138 in (1.7 m x 3.5 m)
Vacuum Ports	1	4	6
Weight	1200 lbs (544 kg)	2000 lbs (907 kg)	3600 lbs (1633 kg)

Amperage Requirements

3-Phase Voltage @ 3.0 W/in ²				
Table Size	240	208	480	380
VT4000	50	55	30	35
VT8000	85	95	50	55
VT10000	110	120	60	70

Ordering Information

Vacuum Debulking/Curing Table

Size: _____
 4000 = 60 in x 66 in (1.5 m x 1.7 m) total
 8000 = 60 in x 132 in (1.5 m x 3.4 m) total
 10000 = 72 in x 144 in (1.8 m x 3.7 m) total

Voltage: _____
 A = 240 VAC 3-phase
 B = 208 VAC 3-phase
 C = 480 VAC 3-phase
 D = 380 VAC 3-phase

Wattage: _____
 Wattage (standard): 30 (3.0 W/in²)

Table Options: _____
 A- Table without lid, includes pump
 B- Table with lid and pump
 E- Table with lid, pump and data logger
 F- Table with lid but no pump (connection only)
 G- Table as "B" with dual power inputs

No. Zones (on Table): _____
 1 - Single Zone (VT4000)
 2 - Two Zones (VT8000 and VT10000)

Top Option: _____
 - TH - Adds Top Heat Blanket
 - I - Adds Top Insulating Blanket

VT 10000 - A 30 B 2 -TH



VT4000 Series

Custom Sizes and Designs Available: Contact BriskHeat® or your local distributor for more information.