

VACUUM TABLES

Vacuum Curing/Debulking Table (VT Series)

- ▶ 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



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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 480VAC

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

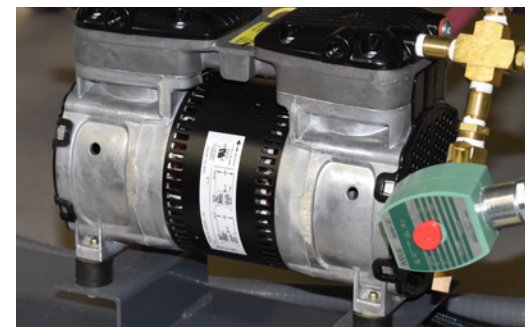
Vacuum Bag: High tear strength, reversion resistant silicone rubber reusable vacuum bag, clear, 25 shore A hardness, 800% elongation, 700 PSI tensile

Vacuum Seal: Silicone rubber delta seal

Maximum Vacuum Pressure: 28.8 inHg (711 mmHg)



Easy-to-Use Operator Interface



Vacuum Pump

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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:

Table Size	Voltage			
	240	208	480	380
VT4000	50	55	30	35
VT8000	85	95	50	55
VT10000	110	120	60	70

Ordering Information:

VT 10000 - A 30 B 2 -TH

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



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