

## TERAVAC Series

DMEGA's advanced technology for dental suction system developed AVR(Automatic Vacuum Regulation) function with Mitsubishi inverter & Automatic pressure sensor. This technology offers flexible, intelligent control system to meet upgraded customer satisfaction level. Teravac series supply optimal vacuum power for surgery use. When one dental unit is used, the inverter controls motor speed at 40~45Hz, when more than two dental units are used, the inverter controls frequency appropriately to provide sufficient vacuum power. In this way, it prevents overheating problems, saves energy and extends lifetime of the motor.



TERAVAC 3000

TERAVAC 5000

TERAVAC 6000

### Teravac Series

	Teravac 3000	Teravac 5000	Teravac 6000	Teravac 12000
Main Voltage	230 VAC	230 VAC	230 VAC	230 VAC
Frequency	0~70 Hz	0~70 Hz	0~65 Hz	0~65 Hz
Motor power	0.63 Kw	0.94 Kw	1.3 Kw	1.3 Kw × 2
Inverter power	0.75 Kw	1.5 Kw	2.2 Kw	2.2 Kw × 2
Rated Current	3.5~4 Amp	4~4.5 Amp	4.5~5 Amp	(4.5~5) × 2 Amp
Vacuum Regulated	200 m bar	200 m bar	200 m bar	400 m bar
Max. vacuum	370 m bar	370 m bar	370 m bar	740 m bar
No. of treatment	Up to 2 units	Up to 3 units	Up to 4 units	Up to 6 units
Max. airflow	600 ℓ/m	900ℓ/m	1200ℓ/m	2400ℓ/m
Motor speed	0~3980 rpm	0~3980 rpm	0~3740 rpm	0~3740 rpm
Weight	32 kg	33 kg	37 kg	78 kg
Dimensions (W×L×H)	41×51×61 cm	41×51×61 cm	41×51×63 cm	82×51×63 cm
Noise Level	59 dB	61 dB	61 dB	69 dB



# TERAVAC 12000

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## TERA-MAX

Teramax 5 is dry suction system for 90~120 dental units for large dental hospitals. It has five suction motors, one of five suction motors is for spare use maintain once. It is used when one or two suction motors have some problems or So it supplies optimal vacuum power, and it can save the surgery hours. Teramax has water supply pump motor, it supplies water that Solenoid Valve use when the valve cleans the inside of separator. So it is easy for maintenance. Also with three-level of Ball-top Sensor, it controls the water level inside the separator automatically, and prevents damages of motor. With the timer, it set can automatically AM 9:00~PM 9:00, or the user can set the time. So it is convenient and safe to use at night. It has automatic pressure sensor and intelligence inverter system. Suction power is regulated automatically by automatic pressure sensor according to surgery use. This pressure sensor is for supplying optimal vacuum power & reducing electric cost. It also prevents over-heating problem for the motor and extends lifetime of motor.

### TERAVAC Key Features



#### Pressure sensor & By-pass Mode

When pressure sensor is abnormal or vacuum power is not sufficient, this switch gives fast & easy solution. When this switch is On, motor speed is setting 55 Hz immediately to supply sufficient vacuum power.



#### Intelligence control system by inverter

This advanced technology offers flexible, intelligent control system to realize and upgrade customer satisfaction level. Teravac series supply optimal vacuum power for surgery use. Also, it prevents over-heating problem, saves energy, and extends motor lifetime.



#### Automatic vacuum regulation

Automatic pressure sensor enables reaction to supply optimal vacuum power for the surgery use. When 1 surgery use, it operates inverter 40~45 Hz, and 2 surgery use, it increases motor speed as 50~55 Hz. So it prevent over-heating problem, Saves energy and extend motor life time.



#### Saves impeller from sticking

When impeller is stuck in corrosion or other causes, this 'Teflon ring' prevents breakdown in motor and impeller. In this way, Teflon ring can extend lifetime of Teravac.