DMEGA

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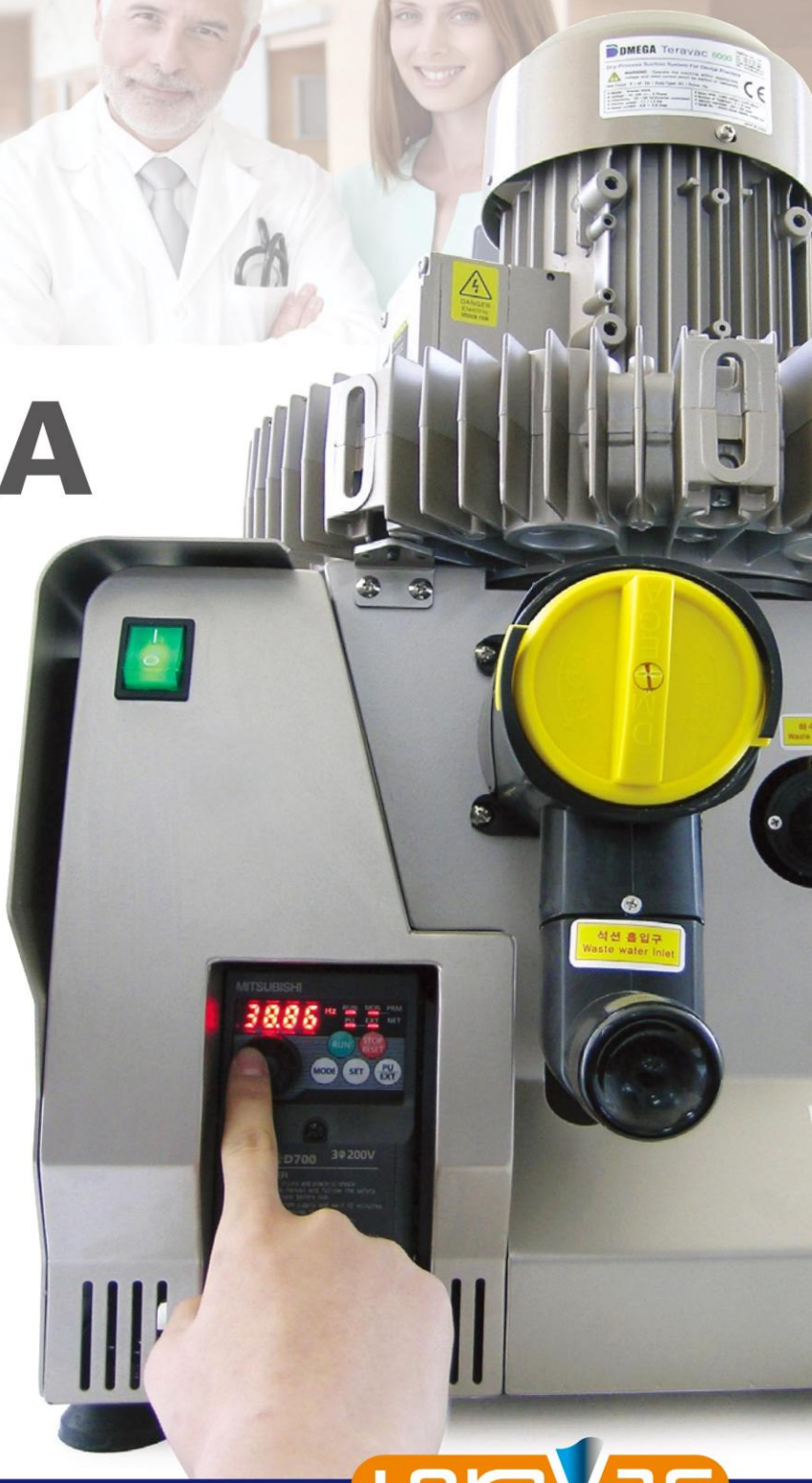
New Frontier of Suction System
for Dental Practice



DMEGA Suction Technology

teraVac




FACTORY & PRODUCTION LINE

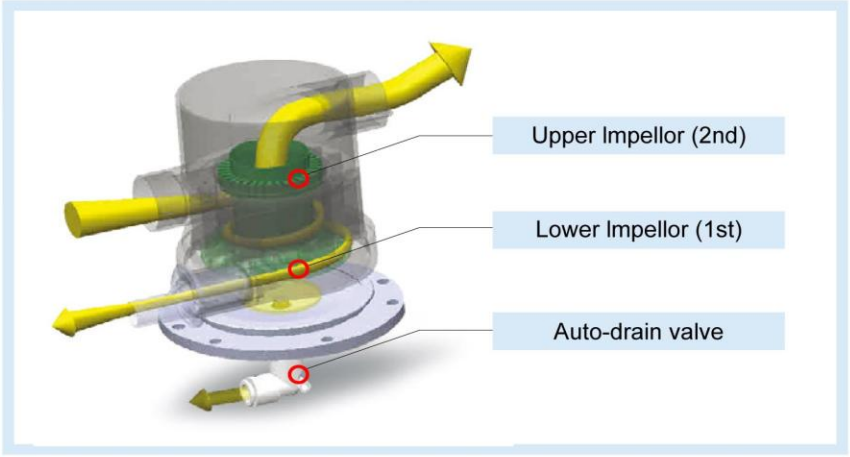

BIG HOSPITAL MODEL

Compact, Effective & Safe air/liquid Separation Unit

DMEGA's Suction technology meets the customer satisfaction.
With our patented innovative technology, the 2 stage of cyclone separation impellors separate air and liquid certainly than any other combined separation system.
By adopting auto drain by-pass system in the separation part,
auto drain valve discharge residue of liquid and blood after stopping the motor.
So it prevents clogging problem, especially overnight after surgical hours end.

DMEGA's Suction Technology

- Double Impelling system in separator : 100% air/liquid separation
- Triple wings & auto-drain valve system : prevents clogging problem inside of separation impellor
- Pressure relief air-emitting technology : relieves chronic overheating problem of turbine motor
- Automatic vacuum regulation technology : saves electric expenses & extends motor lifetime



Amalgam separation & Inverter Technology

Compact Suction units for one work station

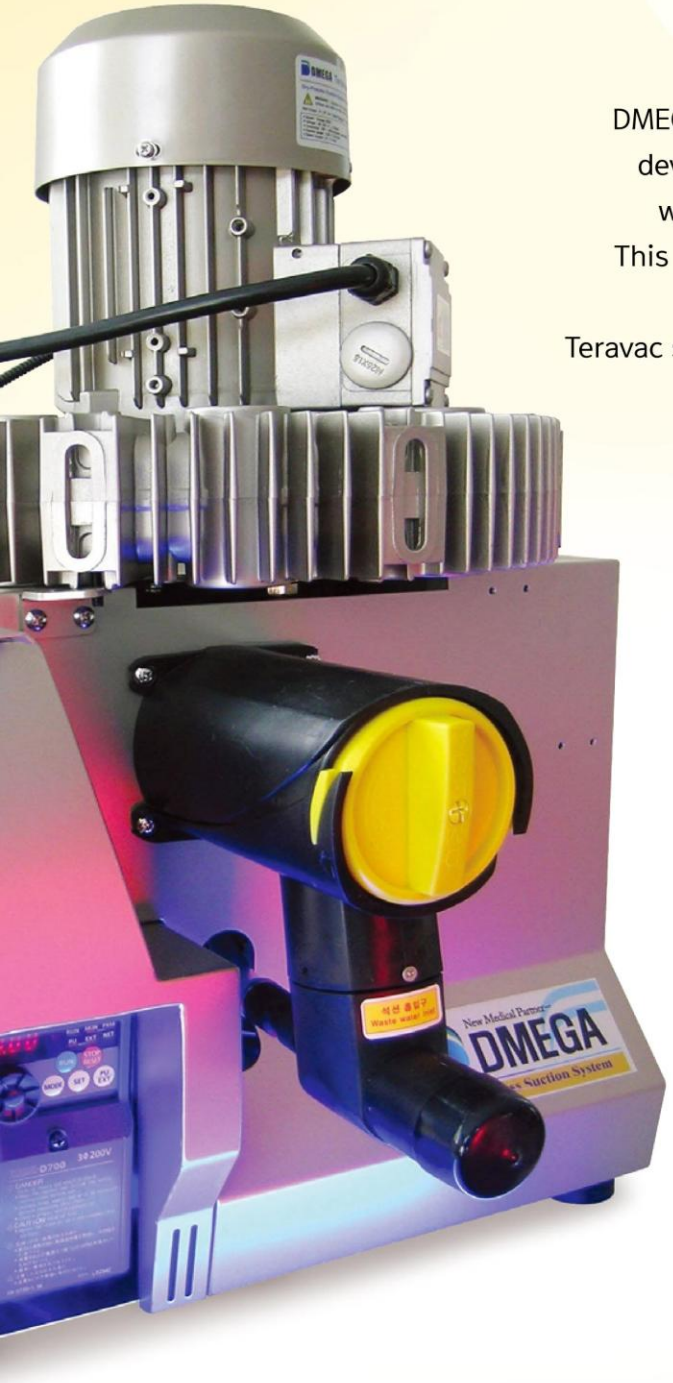
S 101,

Best selling item, Provide proper vacuum for 1 dental unit

S101 is semi-wet suction system for one dental unit.
This model is compact size so can make better use of a space in treatment rooms.
It supplies strong vacuum power despite small size.
With an air/liquid separation unit,
the S101 certainly separates the liquid and solid particles.
The 2 stage of cyclone separating system accomplishes top level separation capacity.
And the S101 has auto drain valve system,
it discharges the residue of liquid and blood automatically after stopping the motor. It prevents clogging problems.

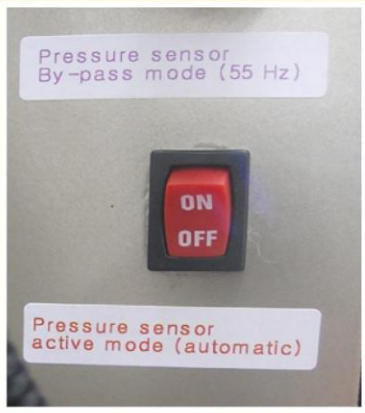
New Concepts of Suctions, **TERAVAC**

by dmega



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.



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 requlation

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 stucking

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.

Artificial Intelligence Operation & Energy Saving Solution

TERAVAC 6000

TERAVAC 5000

TERAVAC 3000

Clebo

(Total Solution for Dental Practice)

Clebo is one-stop solution product.
It is combined compressor(with inverter)
and Teravac suction(with inverter).
It includes compressor and suction in one unit,
so it can make better use of a space.
compressor and Teravac suction
operate by inverter system,
so it can extend lifetime of motor and save energy.
Also, the suction product can be changed
and installed in the unit.
So the customer can choose the product they want.

Specification

Teravac Series

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

New Medical Partner · DMEGA
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