



Eurocom EPS Pumping Systems

Top of the line Pumping System for Luminous Tubes

Eurocom EPS series Pumping Systems for luminous tube production are simply the finest most sophisticated pumping systems available on the market. Built in our Dallas facility, EPS systems provide unmatched accuracy for precise bombarding and filling pressure control.

EPS 2000T

The EPS 2000T is EUROCOM's top-of-the-line pumpstand with the turbomolecular pump, which speeds evacuation of the tubing and produces high vacuum in the $<10^{-8}$ Torr range. It is an ideal choice for high volume production or any application where the highest quality is required. This is an excellent system for the larger tubing used in cold cathode. The EPS 2000T comes fully assembled, housed in an attractive gray powder-coated metal cabinet with a slate blue laminate top, ready to plug in and operate.

EPS 2000

The EPS 2000 offers the convenience of a double-sided system with the same state-of-the-art technology of the EPS 2000T without the turbo-pump. The EPS 2000 is good for high volume production where the user does not require the higher-end vacuum or the speed of the turbomolecular pump.

EPS 500

The EPS 500 is Eurocom's top-quality pumpstand designed for lower volume applications, small production shops, artists and training centers. The EPS 500 arrives fully assembled and ready to operate. The complete unit is mounted on a gray laminate top with a powder-coated heavy-duty steel frame. The system comes standard with a Piezo gauge for bombarding and filling. A Pirani gauge may be added to this system as an option.

Equipment	2000 T	2000	500
Turbomolecular Pump	yes	no	no
VAP 5 high Vacuum Gauge	optional	optional	optional
DVR 5 Filling Gauge	yes	yes	yes
Double Manifold	yes	yes	no
Single Manifold	no	no	yes
Y-Piece	2	2	1
Double Gas Transfer System	yes	yes	yes
Grounding System	yes	yes	yes
Safety Package	yes	yes	yes

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Eurocom-Inc.
Light years ahead!

Eurocom Pumping System Components

EPS-EQU-VAP5 Pirani Gauge	Technical Data - EPS-EQU-VAP5
<p>The PIRANI vacuum gauge VAP5 uses the PIRANI principle based on thermal conductivity and is consequently a compelling alternative for all vacuum gauges which are still using mercury. The VAP 5 offers an all electronic calibration and fault indication and a low electromagnetic radiation.</p>	<p>DisplayAnalog and digital LCD display Vacuum units (switchable)mbar, Torr, hPa Measuring range750 Torr to .8 millitorr (microns) Accuracy± 10% of indicated value on display Vacuum connectionVia gauge tube with KF 10 flange Power120VAC (220VAC optional) Dimensions6.89" x 5.16" x 3.43"</p>
EPS-EQU-DVR5 Pressure Gauge	Technical Data - EPS-EQU-DVR5
<p>Positive pressure gauge accurately monitors pressure during bombarding and while back filling the tube with inert gases. Its digital electronics and Piezo resistive integrated transducer converts pressure to a digital electronic signal and displays it both numerically and on an analog scale. This superior technology results in no hazardous mercury, no butyl oils to contaminate the manifold, and no glass tubes to break.</p>	<p>Pressure transducerCapacitive with ceramic diaphragm DisplayAnalog & digital LCD display Vacuum units (switchable)mbar, Torr, hPa Measuring range0.1-825 Torr Accuracy≤ .75 Torr ± 1 digit Vacuum connectionKF 16 Power120VAC (220VAC optional) Dimensions4.53" x 4.53" x 2.6"</p>
EPS-EQU-RZ6 Vacuum Pump	Technical Data - EPS-EQU-RZ6
<p>The two-stage Vacuubrand rotary vane vacuum pump features asbestos free vanes and seal materials in a compact, low-weight design. With a high conductance inlet and vacuum-tight shut off without isolation valves. The unit offers safety sealed electrical connections and overload circuit breaker protection with auto reset.</p> <p>The positive-pressure lubrication system draws on a large oil volume for longer intervals between oil changes. The energy-efficient design provides easy start up at low ambient temperatures. Also available in 220VAC.</p>	<p>Volume flow rate (60Hz)m³/h:6.8m³/min Ultimate vacuum (Torr) :<10⁻⁴ Weight (lb):36.15 Dimensions (in)14.6 x 5.6 x 8.1</p> <p>Note: Vacuum pumps require normal service intervals and oil level monitoring and changing!!!</p>
EPS-EQU-TMP40 Turbomolecular Pump	Technical Data - EPS-EQU-TMP40
<p>For the fastest tubing evacuation, nothing beats a turbo-pump. The Eurocom turbomolecular pump produces clean, hydrocarbon-free vacuum in the <10⁻⁸ Torr range. The unit can be mounted in any position, and maintenance is a snap with the sealed-for-life ceramic bearings.</p> <p>Rotating parts are field replaceable, and the pump is completely unaffected by accidental gas burst or inrush. This is our fastest and most trouble-free pump. The unit includes pump with attached cooling fan, high frequency drive, and all the necessary mounting hardware.</p>	<p>Volume flow rate (liters/second)33 Ultimate pressure (Torr)<10⁻⁸ Rotational speed (RPM)72,000 Start up time (min.)2 Weight (lbs.)4.4 Bearingssealed-for-life ceramic LubricationNone required Mounting positionAny desired</p>

Part Number	Description
EPS-BC-22KVA	Choke 15-22 KVA/60Hz
EPS-EQU-BUSA22	Bombarder 22KVA
EPS-BC-CONT15/22	Contact for 15/22 KVA Bombarder
EPS-EQU-ET1	Euro Therm Infrared Thermometer Display
EPS-EQU-ET2	Euro Therm Infrared Thermometer Sensor
EPS-EQU-ET3	Switch for 2 Sensors
MAN-Y-QKO1	Y-Piece Quick Connect
EPS-PKG-HDWR1	Hardware Package
EPS-EQU-MAMETER1	Milli-Amperemeter
EPS-X-MAMMI	Milli-Amperemeter-Mount



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