



SEMICONDUCTOR



GENERAL
VACUUM



ANALYTICAL
INSTRUMENTS



R&D



PHOTOVOLTAIC



LED



CHEMICAL
INDUSTRY



EMT-MK

THE CONTROLLER

For high throughput and highly efficient
temperature management



THE EMT-MK has an integrated controller and a temperature management system. Reduce of material's out gassing with a compact size. Multiple interface options are available. Air or water cooling as requested.

BENEFITS

- Ultra-high vacuum
- Most energy efficient temperature
- Radiation resistant
- Installation in any orientation
- Safety standards



Models	EMT1700MK	EMT2200MK	EMT3300MK	EMT3400MK	EMT3800MK	EMT4200MK
Flange size inlet port (DN)	ISO-B200	ISO-B250	ISO-B320	ISO-B320	IS-B320	VG350
Volume flow rate N ₂ in l/s	1,650	2,200	3,300	3,300	3,600	4,200
Backing pump recommended in l/min	>2,000	>2,000	>2,000	>2,000	>2,000	>2,000
Vibration (0-peak) in µm	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01
Rated rotational speed in min ⁻¹	27,000	27,000	27,000	27,000	24,000	24,000
Cooling requirements	air or water cooling					
Noise emission in dB(A)	65	65	65	65	65	65
Size in mm H	501.5	446.5	525	445	509.5	444
Diameter in mm (Standard)	Ø340	Ø340	Ø380	Ø380	Ø415	Ø415
Weight in kg (Standard)	65	62	72	72	80	75

All data without guarantee.

APPLICATIONS FOR EMT-MK

EUV lithography (extreme ultra violet)

Micro-machining (MEMS)

CD line width measurement

SEM/TEM Electron

Microscopy

XPS

Nano technology

Ion plating

Sputtering

Etching

CVD

For further information, technical data or drawings please contact  components@ebara-pm.eu

EBARA is a worldwide leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other products requiring advanced technology.

EBARA supports



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 150 people in Europe. The portfolio includes dry and turbo molecular vacuum pumps as well as gas abatement systems. In addition, EPME sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems. In Europe, EPME has a central warehouse and an overhaul centre for vacuum pumps.

EBARA Precision Machinery Europe GmbH
Marie-Curie-Strasse 1 • 63457 Hanau, Germany • info@ebara-pm.eu

