



SEMICONDUCTOR



GENERAL  
VACUUM



ANALYTICAL  
INSTRUMENTS



R&D



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EBT

# THE ULTRA-HIGH CERAMIC TYPE

For clean, reliable  
and vibration free vacuum



The EBT is a ceramic bearing turbo vacuum pump for high tech manufacturer. The rugged mechanical bearing design is a cost effective solution and covers all relevant safety standards. Available with water, fan or convention cooling.

## BENEFITS

- High vacuum pumping requirement
- Rugged mechanical bearing design
- Vibration free
- Light gas compression
- Durable structure for air inrush
- Installation in any orientation
- Safety standards



Models	EBT70F	EBT220F	EBT240F	EBT350F	EBT450F	EBT800F	EBT1100F	EBT1400F	EBT2400F	
Flange size inlet port (DN)	ISO-K63/CF63	ISO-K100/CF100	ISO-K100/CF100	ISO-K100/CF100	ISO-F160/CF160	ISO-F160/CF160	ISO-F200/CF200	ISO-F200/CF200	ISO-F250	
Volume flow rate N <sub>2</sub> in l/s	75	220	240	330	450	820	1,100	1,400	2,400	
Backing pump recommended in l/min	≥ 25	≥ 25	≥ 80	≥ 80	≥ 80	≥250	≥250	≥250	≥500	
Vibration (0-peak) in µm	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	
Rated rotational speed in min <sup>-1</sup>	90,000	48,000	48,000	45,000	33,600	33,600	33,600	31,200	31,200	
Cooling requirements	water or air cooling									
Noise emission in dB(A)	90	90	90	90	90	90	90	90	90	
Size in mm	H	144.5-170	200-220	194.2-233.7	214-230	190	312.5-327.5	281-306	272-319	340
Diameter in mm		Ø102	Ø130	Ø154	Ø168	Ø168	Ø250	Ø250	Ø280	Ø310
Weight in kg		3-5	5.5-8	7.3-10.5	6-9	7-10	26-27	27-28	29-30	45

All data without guarantee.

## APPLICATIONS FOR EBT

Ultra-high vacuum

Analytical systems

Thin Films

**For further information, technical data or drawings please contact  [components@ebara-pm.eu](mailto: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.

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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.

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