



SEMICONDUCTOR



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ANALYTICAL  
INSTRUMENTS



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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 manufacturers. The rugged mechanical bearing design is a cost effective solution and covers all relevant safety standards. Available with water, fan or convection 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
Pumping speed in l/s	75	220	240	330	450	820	1,100	1,400	2,400
Ultimate pressure Pa	< 1,00E-7	< 1,00E-6	< 5,00E-7	< 1,00E-6	< 1,00E-6	< 1,00E-6	< 1,00E-6	< 1,00E-6	< 1,00E-6
Backing pump (recommended) l/min	> 25	> 80	> 80	> 80	> 80	> 250	> 250	> 250	> 500
Inlet flange diameter DN	DN63	DN100	DN100	DN100	DN160	DN160	DN200	DN200	DN250
Throughput N2 (sccm)	10	400	70	500	500	330	330	450	900
Start up time (min)	2	1	5.5	2	2	7	7	5.5	5
Stop time (min)	2	2.5	45	5	5	27	27	15	15
Height in mm	144 - 170	200-220	194 - 234	214 - 230	190	312 - 328	281 - 306	272 - 319	340
Size in mm (diameter)	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 about 230 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 two overhaul centres for vacuum pumps. EBARA is best-in-class on the vacuum pumps and CMP tools world market and No 1 on the wafer bevel polisher world market.

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