18B4B Vapour Booster Pump

The Edwards 18B4B vapour booster pumps offer higher pumping speeds, of up to 6000 l s^{-1} at pressures intermediate between mechanical boosters and diffusion pumps. Vapour boosters from Edwards have been proven in the field for over 30 years. With a constant program of updates and modernisation, with input from OEM's and end users, combined with inherent reliability, ease of use and tolerance to various inlet and exhaust pressures they have been used extensively in metallurgy and coating industries as well as other specialist applications.

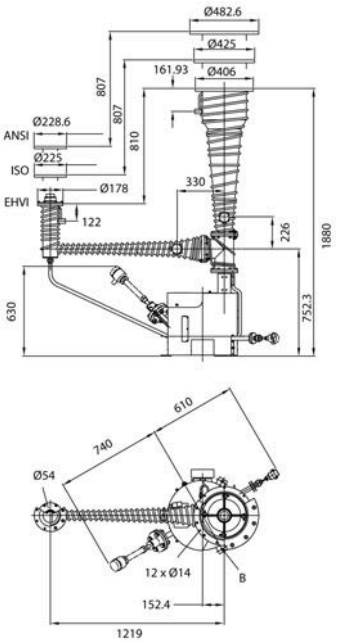
Features & Benefits

- Very large pumping speed at high operating pressures
- Very high throughput at operating pressures
- Quick crossover for excellent pumpdown times
- Industry proven for over 40 years
- Excellent reliability

Applications

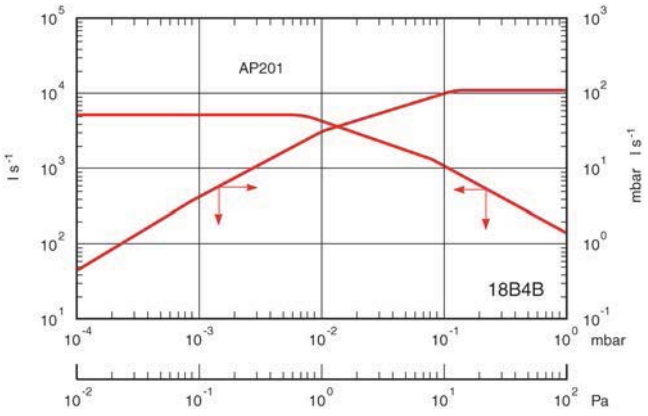
- Vacuum metallurgy
- Distillation, drying and degassing
- Thin film coating and metallizing
- Large-scale research

Dimensions



B. Position of base securing holes 3 x 7/16 inch (12.7mm) diameter on 21 5/8 inch (549mm) p.c.d.

Performance Curves



Technical Data

Pumping speed (air)	4000 ls^{-1}
Pumping speed (hydrogen)	6000 ls^{-1}
Maximum throughput	100 mbar ls^{-1} / 75 Torr ls^{-1}
Critical backing pressure (with AP201 fluid)	2-2.6 mbar / 1.5-2 Torr
Recommended backing pump displacement	190 m^{3}h^{-1} / 112 ft^{3}min^{-1}
Recommended backing pump	GXS450, E2M275
Recommended fluid	Apiezon® AP201
Fluid charge	10 litre / 9.5 qt
Inlet connection	8x11mm holes on 387.4 PCD (Edwards) / ANSI 12 inch / ISO320
Backing connection	2 inch union (Edwards) / ANSI 4 inch / ISO160
Water connection	-
Heater power	6.0 kW / 8 hp
Warming up time for full performance at	
maximum heater input	60 min
Minimum water flow inlet	375 l h^{-1} @ 20^{o}C / 1.8 US gal min^{-1} @ 20^{o}C
Water block threaded hole	½ inch BSP
Weight	165 kg / 365 lbs

Ordering Information