



advanced vacuum technology



Turbo Molecular Pumps

Turbomolecular Pumps

Kedron offers versatile, high-performance turbomolecular pumps suitable for scientific research, and industrial production environments with pumping speeds from 100 - 3500 litres per second. All pumps have ceramic bearings, giving longer life, lower vibration and increased reliability.

Our pumps are supplied complete with controllers incorporating RS232 communications and protection features, to prevent overheating and damage to the turbo pumps, ensuring the highest degree of reliability.



TMP		110E	1500E	3500E	620E	700E	1200E	1300E	620NE	1200NE
Pump Type		Turbo	Turbo	Turbo	Drag	Drag	Drag	Drag	Drag	Drag
Suitable for Corrosive Gases		No	No	No	No	No	No	No	Yes	Yes
Pumping speed (l/s)		110	1,500	3,500	600	700	1,200	1,300	600	1,200
HV Flange		ISO100 CF100	ISO250	ISO400	ISO160 CF150	ISO160 CF150	ISO200 CF200	ISO200 CF200	ISO160 CF150	ISO200 CF200
Ultimate Pressure	ISO Flange	6×10^{-8}	6×10^{-8}	6×10^{-10}	6×10^{-9}	6×10^{-9}	6×10^{-8}	6×10^{-8}	6×10^{-8}	6×10^{-8}
	CF Flange	6×10^{-9}			6×10^{-10}	6×10^{-10}	6×10^{-9}	6×10^{-9}	6×10^{-9}	6×10^{-9}
Compression Ratio (mbar)	N ₂	1×10^8	1×10^8	1×10^8	1×10^9	1×10^9	1×10^9	1×10^9	1×10^9	1×10^9
	H ₂	5×10^2	5×10^2	5×10^2	6×10^4	6×10^6	6×10^3	6×10^3	6×10^3	6×10^3
Fore Line Flange		NW25	NW50	ISO100	NW40	NW40	NW40	NW40	NW40	NW40
Bearings		Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Lubrication		Oil	Oil	Oil	Oil	Grease	Oil	Grease	Oil	Oil
Start-Up Time (min)		<2	<5	<20	<6	<4	<6	<6	<5	<6
Rotational Speed (rpm)		42,300	21,000	13,500	36,000	36,000	24,000	24,000	27,000	24,000
Cooling Requirements		Water/Air	Water	Water	Water	Water	Water	Water	Water	Water
Operating Possition		Vertical/Horiz	Vertical $\pm 5^\circ$	Vertical $\pm 5^\circ$	Vertical $\pm 5^\circ$	Any	Vertical $\pm 5^\circ$	Any	Vertical $\pm 5^\circ$	Vertical $\pm 5^\circ$
Weight (Kg)		8	60	120	29	19	39	29	29	39

