



KLHVP Series High Performance Rotary Vane Vacuum Pumps



Product Description

The KLHVP series High Performance Rotary Vane Vacuum Pumps are oil-sealed vacuum pumps designed for laboratory, research, and industrial applications. They feature precision CNC-machined components for smooth, vibration-free operation, low ultimate pressure, high pumping efficiency, and long service life. The compact modular design, automatic anti-suck-back valve, and easy maintenance ensure reliable performance.

Features

- Lower ultimate pressure
- High water vapour tolerance
- Wide range of pumping speeds
- Direct coupled single & three phase motor options
- Three-phase motor with unidirectional rotation device
- Automatic anti-suck-back valve
- Easily replaceable inner module
- 100% component interchangeability
- Quiet, vibration-free operation
- Compact construction
- Built-in oil mist filter



Application/Uses

- Laboratory deep vacuum applications
- Rotary evaporator systems
- Vacuum oven & laboratory drying
- Freeze dryer Lyophilizer
- Vacuum filtration systems
- Laboratory suction systems
- Thermoforming & vacuum forming
- CNC vacuum holding & clamping
- Transformer oil dehydration
- Oil purification systems
- Vacuum impregnation
- Vacuum furnace roughing

TECHNICAL SPECIFICATIONS

KHVPC Series — Two-Stage High Vacuum Pumps (measured per PNEUROP standards)

The two-stage KHVPC Series is engineered for deep vacuum applications where the lowest achievable ultimate pressure is essential — freeze drying, vacuum ovens, analytical instrument backing and vacuum furnace roughing among them.

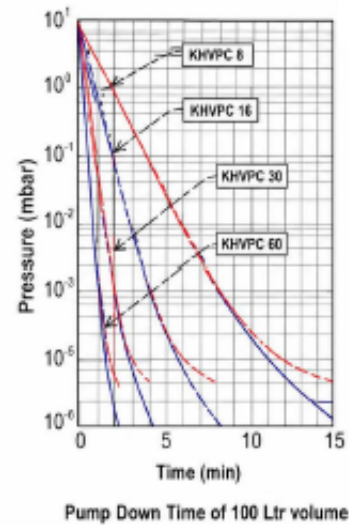
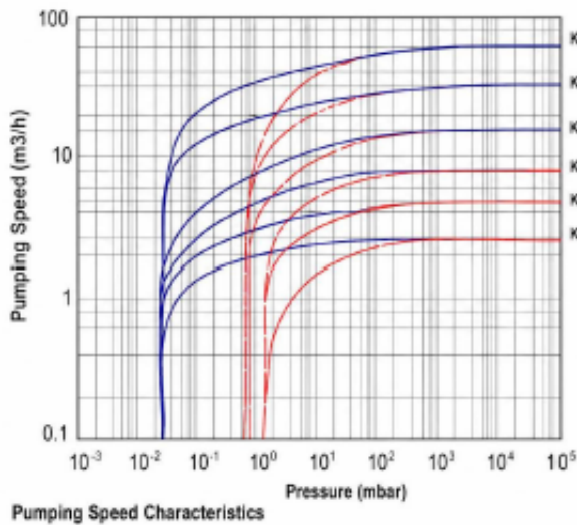
Parameter	KHVPC-2	KHVPC-4	KHVPC-8	KHVPC-16	KHVPC-30	KHVPC-60	KHVPC-90
Nominal Speed (m ³ /hr)	3.2	6.4	10	20	38	76	91.2
Pumping Speed (m ³ /hr)	2.5	4.7	7.6	15.2	30	60	72
Water Vapour Tolerance (mbar)	40	20	40	20	40	33	33
Ult. Partial Pressure (mbar) — w/o Gas Ballast	2.5×10^{-4}	2.5×10^{-4}	2.5×10^{-4}	2.5×10^{-4}	2.5×10^{-4}	2.5×10^{-4}	2.5×10^{-4}
Ult. Total Pressure (mbar) — w/ Gas Ballast	1.3×10^{-2}	1.3×10^{-2}	1.3×10^{-2}	6.5×10^{-3}	6.5×10^{-3}	6.5×10^{-3}	6.5×10^{-3}
Oil Fill, Max (Ltr)	0.6	0.7	1.1	1.3	3.4	4.1	4.1
Motor Power 50Hz 1Ph/3Ph (kW)	0.25/0.25	0.25/0.25	0.75/0.37	0.75/0.55	-/1.1	-/2.2	-/2.2 (60Hz)
Motor Speed (RPM)	1500	1500	1500	1500	1500	1500	1800 (60Hz)
Weight 1Ph/3Ph (Kg)	18/15	20/17	36/26	38/28	-/75	-/90	-/90
Dimensions L×W×H (mm)	400×135×21 5	430×135×21 5	440×172×24 7	480×172×24 7	600×242×35 0	740×242×35 0	740×240×35 0
Intake/Exhaust Port	16 KF	16 KF	25 KF	25 KF	40 KF	40 KF	40 KF

TECHNICAL SPECIFICATIONS

KHVPS Series — Single-Stage Rough Vacuum Pumps (measured per PNEUROP standards)

The single-stage KHVPS Series delivers high pumping speed and excellent water-vapour tolerance for rough-vacuum, high-flow duties such as filtration, packaging, thermoforming and CNC vacuum holding.

Parameter	KHVPS-2	KHVPS-4	KHVPS-8	KHVPS-16	KHVPS-30	KHVPS-60	KHVPS-90
Nominal Speed (m ³ /hr)	3.2	6.4	10	20	38	76	91.2
Pumping Speed (m ³ /hr)	2.5	4.7	7.6	15.2	30	60	72
Water Vapour Tolerance (mbar)	33	33	40	40	40	65	65
Ult. Partial Pressure (mbar) — w/o Gas Ballast	4.0×10^{-2}	4.0×10^{-2}	4.0×10^{-2}	4.0×10^{-2}	4.0×10^{-2}	2.5×10^{-2}	2.5×10^{-2}
Ult. Total Pressure (mbar) — w/ Gas Ballast	1.0×10^0	8.0×10^{-1}	8.0×10^{-1}	8.0×10^{-1}	6.5×10^{-1}	6.5×10^{-1}	6.5×10^{-1}
Oil Fill, Max (Ltr)	0.32	0.5	0.8	1.2	2.3	3.1	3.1
Motor Power 50Hz 1Ph/3Ph (kW)	0.18/0.18	0.25/0.25	0.55/0.37	0.55/0.55	-/1.1	-/2.2	-/2.2 (60Hz)
Motor Speed (RPM)	1500	1500	1500	1500	1500	1500	1800 (60Hz)
Weight 1Ph/3Ph (Kg)	13/11	18/14	27/20	35/28	-/62	-/77	-/77
Dimensions L×W×H (mm)	310×135×21 5	380×135×21 5	360×172×24 7	450×172×24 7	500×242×35 0	630×242×35 0	630×242×35 0
Intake/Exhaust Port	16 KF	16 KF	25 KF	25 KF	40 KF	40 KF	40 KF



Accessories

- Vacuum Oil Filtration Unit
- Condensate Trap
- Exhaust Filter
- Dust Filter
- Chemical Filter
- Adapting Centering Ring
- Adapting Centering Ring with Dirt Filter
- Centering Rings
- O-Ring Gaskets
- Clamping Rings
- Vacuum Pump Oil (Available in 5 L, 20 L & 200 L containers)



Oil less dry vane vacuum pump
available in 70lpm to 500lpm



KHVPC-30 to KHVPC-60



KHVP/S-2 to KHVPC/S-16



KHVP/S-2 to KHVP/S-60



Spares