

Two-Stage Rotary Vane Pumps, Type P-DF, variable pumping speed

For some technical or laboratory applications we recommend these rotary vane pumps with variable pumping speed. The pumping speed is controlled without any complicated valve mechanism. They are used when pumping speed needs to be varied without the expense of complex down stream flow control. The individual parameters can be easily setup by the end-user or our technicians if requested. The parameters may be optimized to the process. The variable pumping speed pumps are energy saving and have an extended life time as well as longer service intervals. Rotary vanes and bearings are lubricated automatically at an optimized oil pressure. This results in lower ultimate pressures and stabilizes the temperature of the pump. Selected materials guarantee good chemical resistance. Even for many chemical applications the standard model is suitable.

Special characteristics:

- speed controlled to match performance to demand
- low, ultimate pressures are reached quickly
- high water vapor tolerance, 30 mbar
- low noise emission
- high temperature heat dissipation
- low maintenance
- low weight
- compact, robust and functional construction
- an intake valve prevents oil back-streaming
- direct drive with elastic coupling
- easy reassembly when servicing and cleaning
- continuous operation due to high technology design
- integrated oil control glass
- high reliability

Ranges of application:

- in the rough and fine vacuum range
- chemical laboratories
- backing pump for turbomolecular pumps, roots pumps and diffusion pumps
- freeze drying
- process engineering

Scope of delivery:

Rotary vane pump with frequency converter ready-to-use with oil charging, centering ring, clamping ring, mains switch, mains cable and plug.

Technical Features

Type	Ult. pressure w/o. gas ballast total mbar	Ult. pressure w/o. gas ballast partial mbar	Ult. pressure w. gas ballast total mbar	Pumping speed pneurop 50/60 Hz m ³ /h l/min		Dimensions (W/D/H) mm	Weight kg	Motor power W	Oil charge ml	Connections suction/ pressure side
P 30 DF	2x10 ⁻³	1.5x10 ⁻⁴	3x10 ⁻³	30	500	650/270/270	38	1100	1100	DN 25 KF
P 40 DF	2x10 ⁻³	1.5x10 ⁻⁴	3x10 ⁻³	37	617	650/270/270	39	1500	1100	DN 25 KF

Ordering Information

Type	Mains supply V / Hz	Mandatory accessories Connection cable	PU pcs.	Order-No.
P 30 DF	230 / 50/60 CEE	no	1	302473
P 40 DF	230 / 50/60 CEE	no	1	302472

