Vacuum pump LOHE

Capacity	Pressure range	Material
2,7-6,1 m ³ /h	80-1013mbar	Cast iron & Bronze

Descriptions

A two stage liquid ring vacuum pump with a simple, robust design. With a free shaft end all options of shaft coupling, motor and DIN seals are available to adapt the pump to your industry.

Range of application

Pumping and compressing of dry gases and saturated vapours; the compressors can also handle liquids. The compressors are applied

in all fields where a compression over pressure of up to 2 bar has to be created by robust compressors and only a small increase in temperature is admissible during compression.

Typical industries is chemical, pharmaceutical, food, plastic and rubber industries.

Vacuum is used for distillation, drying, degassing, filling and boiling.



The compressor works according to the fluid ring principle. Fluid pumps are in some regards related with displacement pumps since the pump wheel is eccentrically located in the round pump body. When the wheel is rotating a fluid ring is created along the pump body's inner wall. In the cells (the space between the pump wheel wings) inside the fluid ring rising part volumes (inlet) and then decreasing volumes (outlet) will be created under one rotation.

Material combinations

Pos	01	02	42
			1.4408 Acid-proof
Casing	0.6025 Cast iron	0.6025 Cast iron	steel
			1.4408 Acid-proof
Gude disc	0.6025 Cast iron	0.6025 Cast iron	steel
		1.4027.05 Stainless	1.4517 Acid-proof
Impeller	RG9	steel	steel
Central			1.4581 Acid-proof
body	1.0570 Steel	1.0570 Steel	steel
	1.4021 Stainless		1.4401 Acid-proof
Shaft	steel	1.4021 Stainless steel	steel



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