

Vacuum pump

LOHE

LOH 20103/20107

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

Evacuation and pumping of dry gases and saturated vapors. Typical industries is chemical, pharmaceutical, food, plastic and rubber industries. Vacuum is used for distillation, drying, degassing , filling and boiling.



AT 6300-05501

Design

The pump 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 | 42 |
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| Casing | 0.6025 Cast iron | 1.4408 Acid-proof steel |
| Central body | 1.0553 Steel | 1.4517 Acid-proof steel |
| Guide disc | 0.6025 Cast iron | 1.4408 Acid-proof steel |
| Shaft | 1.4021 Stainless steel | 1.4401 Acid-proof steel |
| Impeller | 1.4308 Stainless steel | 1.4517 Acid-proof steel |