

Vacuum pump

LOHE

LOH 05501

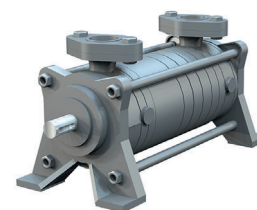
| | | |
|--|--------------------------------------|---------------------------------------|
| Capacity 2,7-6,1 m ³ /h | Pressure range 80-1013mbar | Material Cast iron & Bronze |
|--|--------------------------------------|---------------------------------------|

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

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.

Product key (example LOHE 05501 AN 001 01 0)

| Po s | Description | Code | Explanation |
|---------|--------------------|--------|--|
| 1-3 | Pump model | LOH | Fluid ring vacuum pump |
| 4 | Construction | E | |
| 5- | | 20103- | |
| 10 | Pump size | 20107 | One stage pump |
| | | 05501- | |
| | | 25309 | Two stage pump |
| 11 | Hydraulics | A | |
| 12- | Bearings+direction | of | One sleeve bearing, one greased roller |
| 13 | rotation | B | bearing |
| | | N | One shaft end, clockwise rotating |
| 14- | | | |
| 16 | Sealing | 001 | Gland packing, double |
| | | 131 | Mechanical sealing SIHI FK EBPGG |
| | | X0A | Mechanical sealing SIHI FK GBVGG |
| 17- | | | |
| 18 | Material | 01 | Se table below |
| | | 32 | Se table below |
| 19 | Gasket | 0 | O-ring |

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Material combinations

| Pos | 01 | 32 |
|--------------|------------------------|-------------------------|
| Casing | 0.6025 Cast iron | 2.1050.01 Bronze |
| Central body | 0.6025 Cast iron | 2.1050.01 Bronze |
| Guide disc | 0.6025 Cast iron | G Sn Bz 16 Bronze |
| Shaft | 1.4021 Stainless steel | 1.4401 Acid-proof steel |
| Impeller | 2.0550 Bronze | 2.1052.01 Bronze |

Connections

| Connection | Designation 05501 |
|------------|-----------------------|
| N1 | Inlet G 1 1/4 |
| N2 | Outlet G 1 1/4 |
| Ue | Drainage G 1/4 |
| Um | Pressure sensor G 1/4 |

Service fluid in m³/h

| Pressure mbar | in | 80 | 120 | 200 | 400 |
|---------------|----|-----|-----|-----|------|
| 05501 | | 0,2 | 0,2 | 0,2 | 0,17 |

Total service fluid by installation where the fluid is directed straight in to the drain
For other installations ask Armatec

