

# Vacuum pump

LOHE

LOH 05501

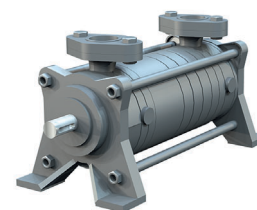
<b>Capacity</b> 2,7-6,1 m <sup>3</sup> /h	<b>Pressure range</b> 80-1013mbar	<b>Material</b> Cast iron & Bronze
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## Descriptions

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.

## 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 m<sup>3</sup>/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

