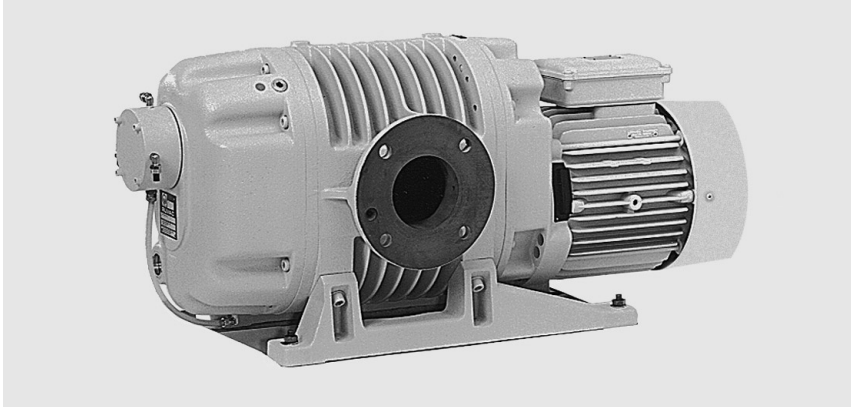


RUVAC WSLF Roots Vacuum Pumps for Laser Gas Systems



RUVAC WSLF 1001 LF Roots vacuum pump

Roots vacuum pumps driven by canned motors are available for gas laser systems.

Advantages to the User

- A gas mixture of helium, nitrogen and carbon monoxide is continuously circulated at a reduced system pressure
- High pumping speed from a small, quiet running pump
- Operation with a frequency inverter is possible
- Nickel-plated pump chamber surfaces
- Through an additional vacuum pump the bearing chambers may be evacuated to a pressure lower than the pressure within the pumping chamber of the RUVAC
- Water-cooled oil separating system
- Integrated oil separating system for extended maintenance intervals

Typical Applications

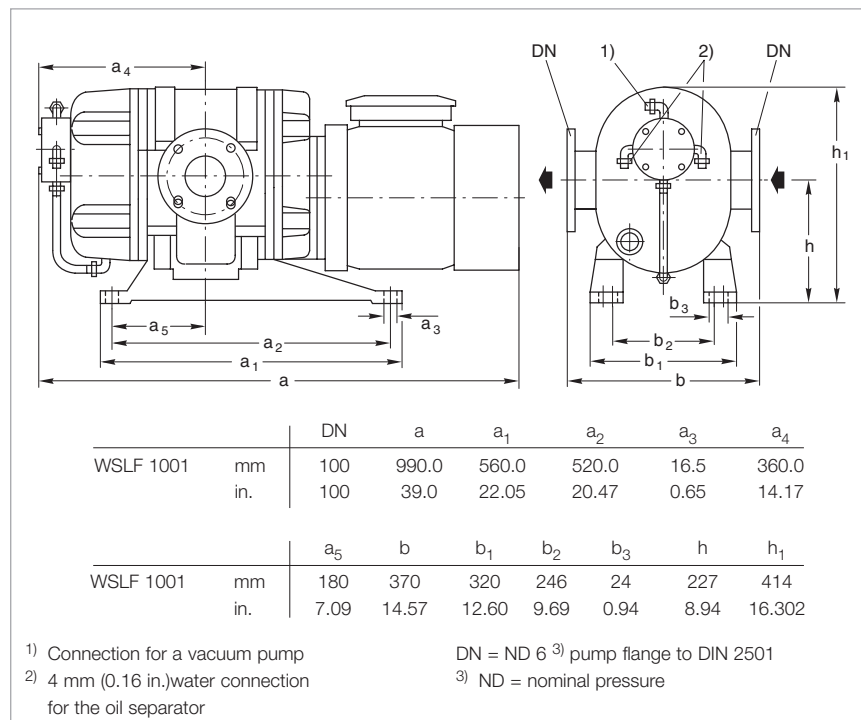
- Processing of ferrous and non-ferrous materials like welding, cutting and surface refinement

Technical Note

- The gas circulation system must be very clean and entirely free of hydrocarbons

Supplied Equipment

- Horizontal pumping action as standard
- With oil pressure switch and oil drain facility
- The required oil filling is included separately (special oil ANDEROL® 2100 HTCL)
- Purged with nitrogen for corrosion protection



Dimensional drawing for the RUVAC WSLF pumps

Technical Data**WSLF 1001**

		50 Hz	60 Hz
Nominal pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	1000 (589)	1200 (707)
Max. permissible pressure difference during continuous operation	mbar (Torr)	80 (60)	80 (60)
Main supply Δ / Y	V	200-230 / 400	200-265 / 460
Motor power	kW (hp)	7.5 (10.2)	8.5 (11.6)
Nominal speed	rpm	3000	3600
Max. permissible speed	rpm	6000	6000
Type of protection	IP	20	20
Oil filling of the bearing chambers	l (qt)	1.2 (1.27)	1.2 (1.27)
Connection flange DIN 2501	DN	100	100
Weight	kg (lbs)	275 (606.4)	275 (606.4)
Cooling water pressure	bar (psi)	1 - 5 (14.5 - 72.5)	1 - 5 (14.5 - 72.5)
Cooling water throughput	l x h ⁻¹ (cfm)	200.0 (0.9)	200.0 (0.9)
Hose connection for hose		6 x 1	6 x 1

Ordering Information**WSLF 1001**

RUVAC WSLF Roots vacuum pump RUVAC WSLF 1001	Part No. 117 94
RUVAC WSLF seal kit	Part No. 194 70

¹⁾ To DIN 28 400 and subsequent numbers