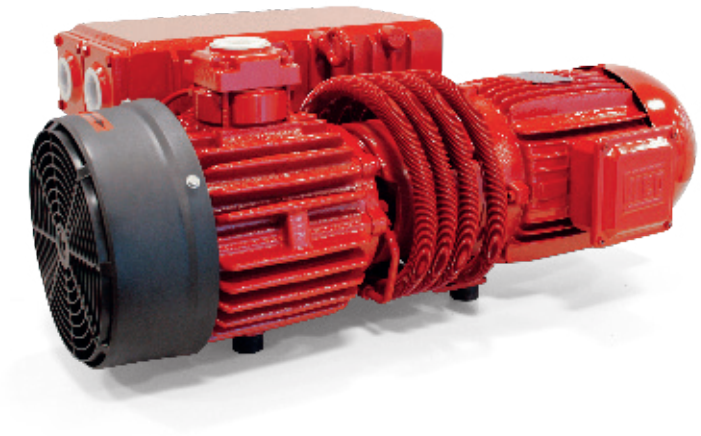
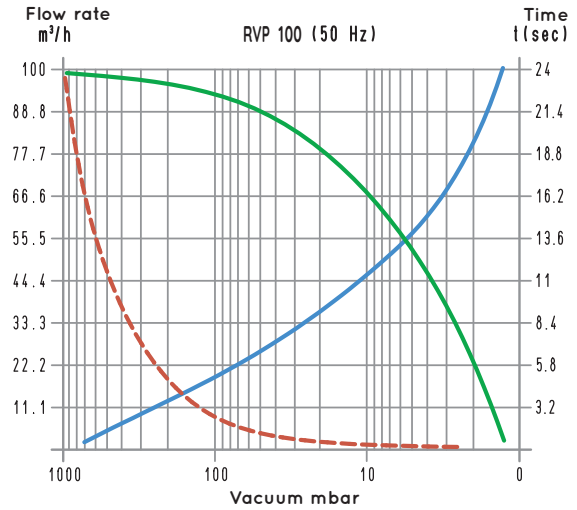
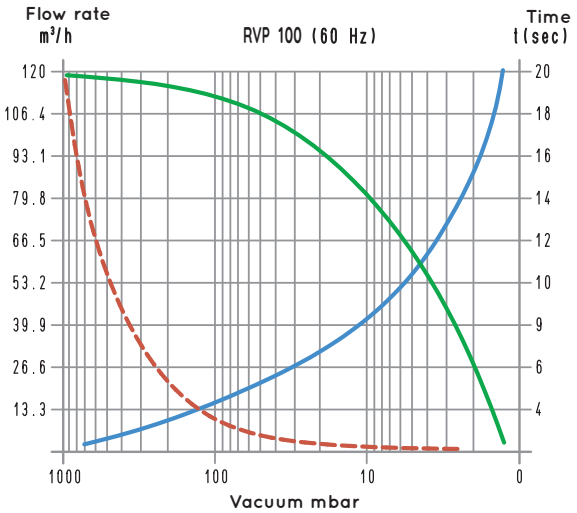
OIL-BATH VACUUM PUMP RVP 100

Pumps with an suction capacity of 100 m³/h are single-stage, rotary vane and with oil-bath lubrication with recycling. The implementation of cutting edge construction techniques and the use of hi-tech, latest generation materials has allowed for the achievement of high standards of quality, performance, duration and low cost of use.







To calculate the emptying time of a volume of V_1, use the following formula: $t_1 = \frac{t \times V_1}{100}$

- Curve relative to the flow rate (referring to the suction pressure)
- Curve relative to the flow rate (referring to a 1013 mbar pressure)
- Curve regarding the emptying time of a 100-litre volume

V_1: Volume to be emptied (l)
t_1 : time to be calculated (sec)
t : time obtained in the table (sec)

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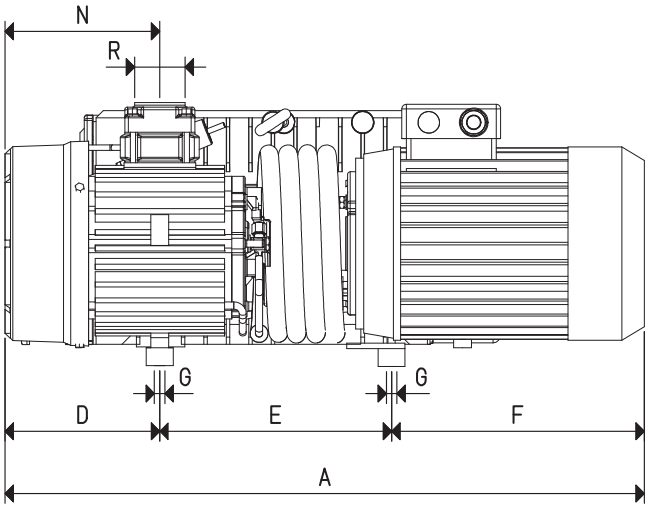

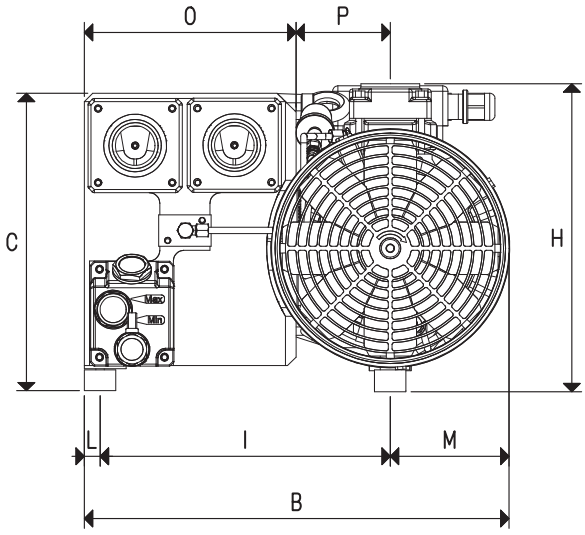

Item		RVP 100	
Frequency		50 Hz	60 Hz
Flow rate	m^3/h	100.0	120.0
Final pressure	mbar abs.	0.5	
H_2O steam quantity permitted	Kg/h	1.5	
Motor performance 3~	Volt	230/400 ± 10%	275/480 ± 10%
Motor power 3~	Kw	2.2	3.0
Motor protection	IP	55	
Rotation speed	g/min^{-1}	1450	1740
Motor shape		B14	(flange hole spacing 130 mm)
Motor size		100	
Noise level	dB(A)	67	69
Max weight	Kg	78.0	
A		710	
B		405	
C		280	
D		175	
E		360	
F		275	
G	Ø	M8	
H		290	
I		277	
L		15	
M		113	
N		170	
O		200	
P		90	
R	Ø gas	G1"1/4	

Accessories and Parts		RVP 100
Oil charge	L	2
Lubricating oil	type	VT OIL 100
Oil filter	item	00 RVP 100 07
Deoiling cartridge	item	00 RVP 100 05 (N°2)
Vane	item	00 RVP 100 04 (N°3)
Sealing kit	item	00 RVP 100 06
Check valve	item	00 RVP 100 03
Suction filter	item	FC 35 - FPL 6 - FCL 6 - FIL 6
Ballast valve	item	00 RVP 100 17

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$ cfm= m^3/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6