



OIL-BATH VACUUM PUMP RVP 21

Pumps with an suction capacity of 21 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.

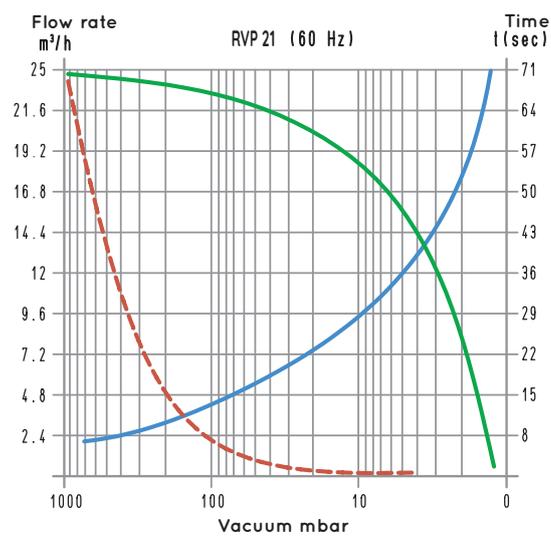
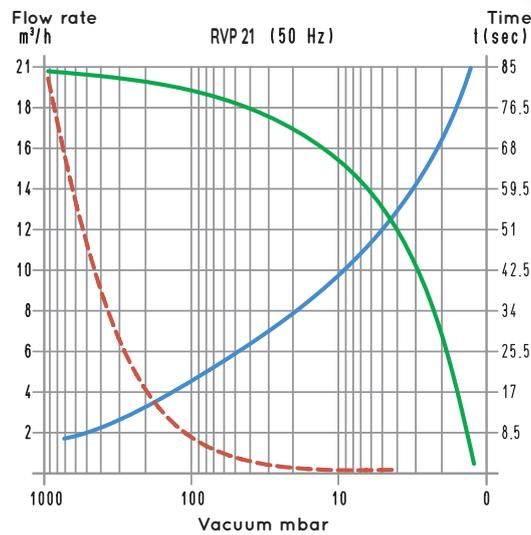
3D drawings are available on vuototecnica.net



RVP 21



RVP 21 Z

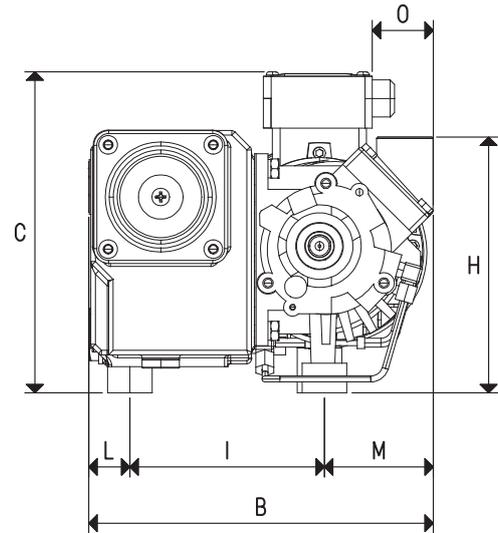
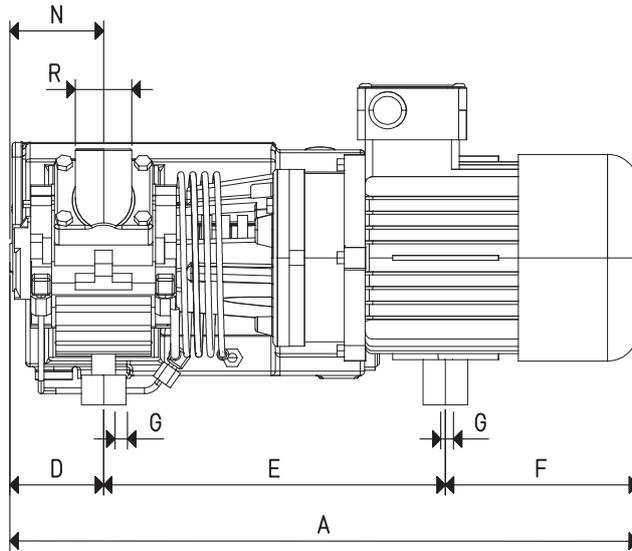


To calculate the emptying time of a volume of V_1 , use the following formula: $t_1 = \frac{t \times V_1}{100}$

- 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)

OIL-BATH VACUUM PUMP RVP 21



Item		RVP 21	
Frequency		50 Hz	60 Hz
Flow rate	m ³ /h	21.0	25.0
Final pressure	mbar abs.	1	
H₂O steam quantity permitted (RVP 21 Z)	Kg/h	0.4	
Motor performance	3~ Volt	230/400 ± 10%	275/480 ± 10%
	1~ Volt	230 ± 10%	275 ± 10%
Motor power	3~ Kw	0.75	0.90
	1~ Kw	0.75	0.90
Motor protection	IP	55	
Rotation speed	g/min ⁻¹	2700	3240
Motor shape		B14	
Motor size		90	
Noise level	dB(A)	64	65
Max weight	3~ Kg	18.5	19.0
	1~ Kg		
A		421	
B		232	
C		225	
D		63	
E		230	
F		128	
G	∅	M8	
H		173	
I		131	
L		28	
M		73	
N		62	
O		41	
R	∅ gas	G1/2"	

Accessories and Parts		RVP 21	
Oil charge	L	0.50	
Lubricating oil	type	VT OIL 68	
Deoiling cartridge	item	00 RVP 21 05	
Vane	item	00 RVP 21 04 (N°3)	
Sealing kit	item	00 RVP 21 06	
Check valve	item	00 RVP 21 03	
Suction filter	item	FC 20 - FPL 3 - FCL 3 - FIL 3	
Ballast valve	item	00 RVP 21 17	

Note: Add the letter M to the item for a pump supplied with a single-phase electric motor (Example: RVP 21 M).

Add the letter Z to the item for a pump supplied with a ballast valve (Example: RVP 21 Z).

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

cfm = m³/h x 0.588; inch Hg = mbar x 0.0295; psi = bar x 14.6