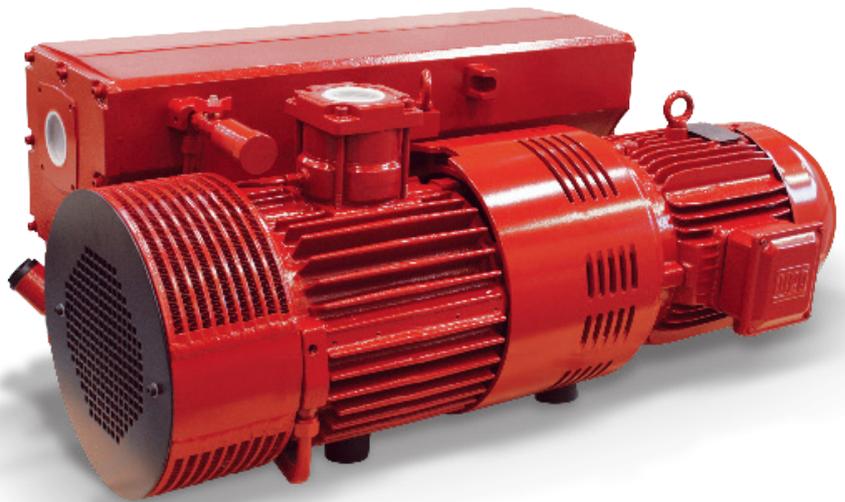


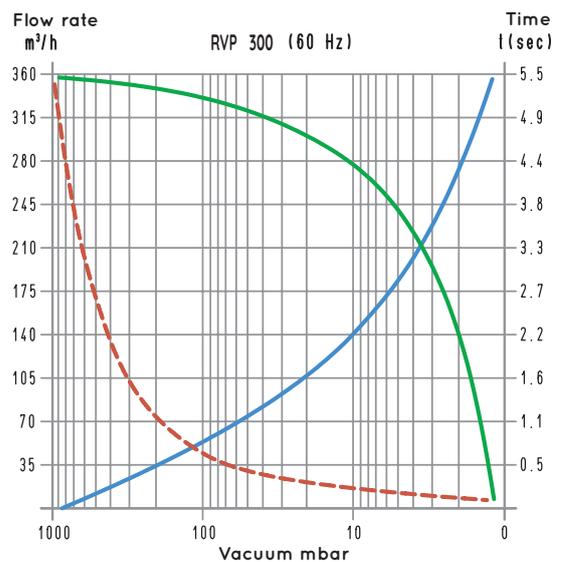
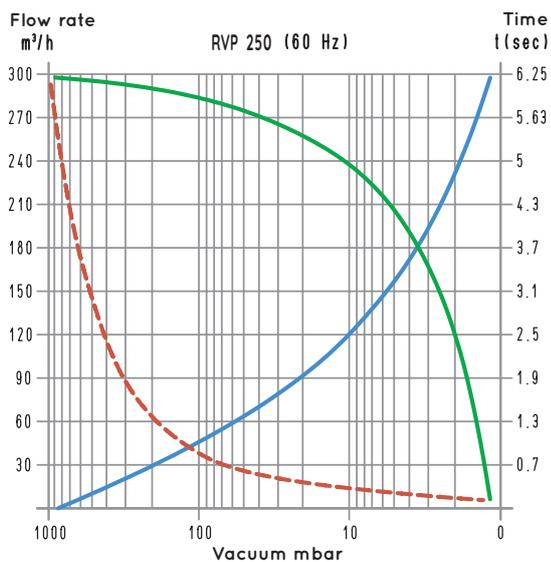
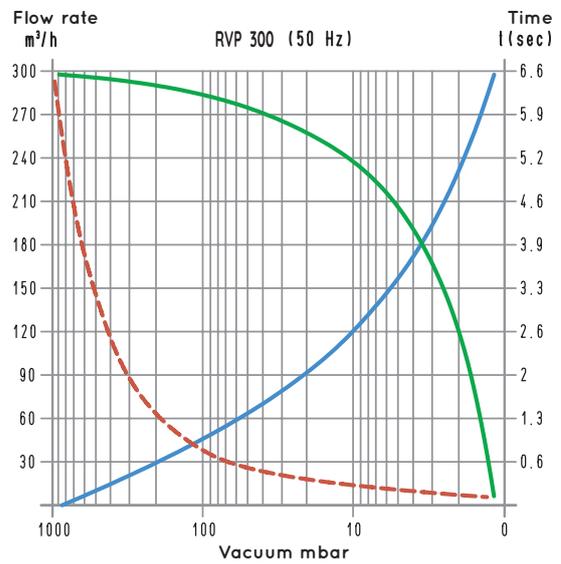
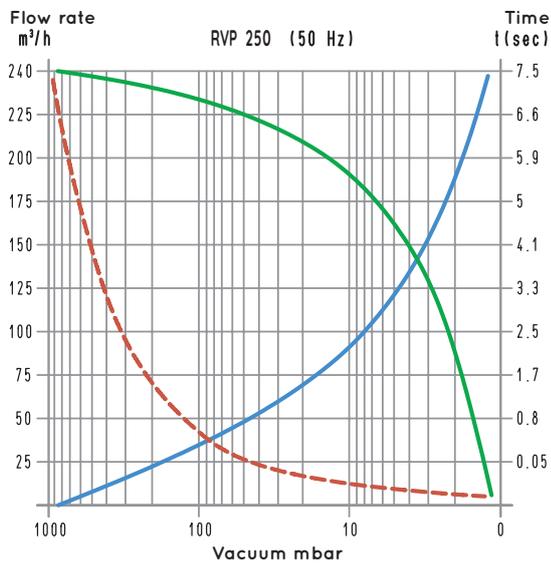


## OIL-BATH VACUUM PUMPS RVP 250 and RVP 300

Pumps with an suction capacity of 250 and 300 m<sup>3</sup>/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.



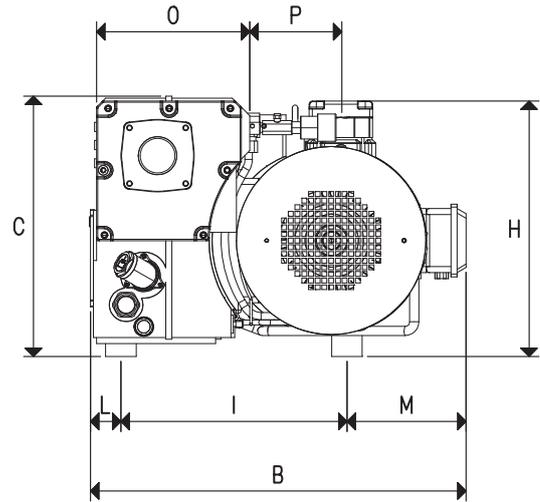
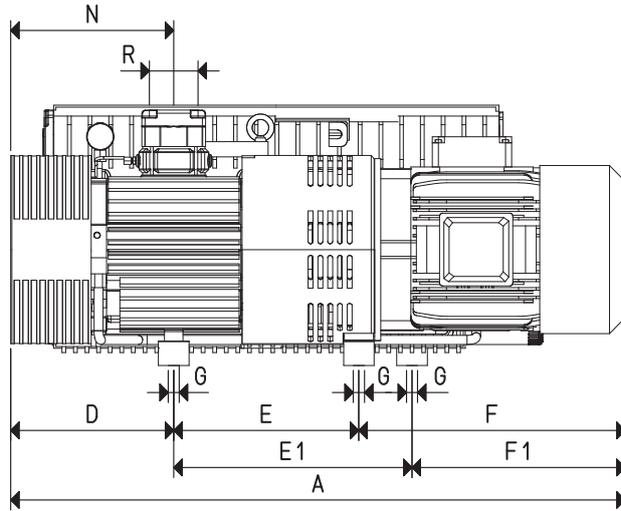
3D drawings are available on [vuototecnica.net](http://vuototecnica.net)



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)



Item		RVP 250		RVP 300	
Frequency		50 Hz	60 Hz	50 Hz	60 Hz
Flow rate	m <sup>3</sup> /h	250	300	300	360
Final pressure	mbar abs.	0.5		0.5	
H <sub>2</sub> O steam quantity permitted	Kg/h	4		4.5	
Motor performance 3~	Volt	400/690 ± 10%	480/830 ± 10%	400/690 ± 10%	480/830 ± 10%
Motor power 3~	Kw	5.5	7.5	7.5	11
Motor protection	IP	55		55	
Rotation speed	g/min <sup>-1</sup>	1450	1740	1450	1740
Motor shape		B5		B5	
Motor size		132		132	
Noise level	dB(A)	74	75	75	76
Max weight	Kg	198.0		212.0	
A		975		1010	
B		579		579	
C		411		411	
D		287		287	
E		303		303	
E1		390		390	
F		385		420	
F1		350		350	
G	∅	M10		M10	
H		421		421	
I		369		369	
L		50		50	
M		185		185	
N		267		267	
O		242		242	
P		150		150	
R	∅ gas	G2"		G2"	
Accessories and Parts		RVP 250		RVP 300	
Oil charge	L	10		10	
Lubricating oil	type	VT OIL 100		VT OIL 100	
Oil filter	item	00 RVP 250 07		00 RVP 300 07	
Deoiling cartridge	item	00 RVP 250 05 (N°4)		00 RVP 300 05 (N°4)	
Vane	item	00 RVP 250 04 (N°3)		00 RVP 300 04 (N°3)	
Sealing kit	item	00 RVP 250 06		00 RVP 300 06	
Check valve	item	00 RVP 250 03		00 RVP 300 03	
Suction filter	item	FC 60 - FPL 7 - FCL 7 - FIL 7		FC 60 - FPL 7 - FCL 7 - FIL 7	
Ballast valve	item	00 RVP 250 17		00 RVP 300 17	

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

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

cfm= m<sup>3</sup>/h x 0.588; inch Hg= mbar x 0.0295; psi= bar x 14.6