



Certificate of Conformity

VWR TWO STAGE ROTARY VANE PUMP RV3+

VWR International certifies that the products comply in every respect with the relevant particular specifications and/or drawings and/or relevant standards and regulations in force, mentioned in this document.

VWR International certifie que les produits sont conformes à tous égards aux spécifications particulières appropriées et / ou dessins, normes et règlements en vigueur, mentionnées dans le présent document

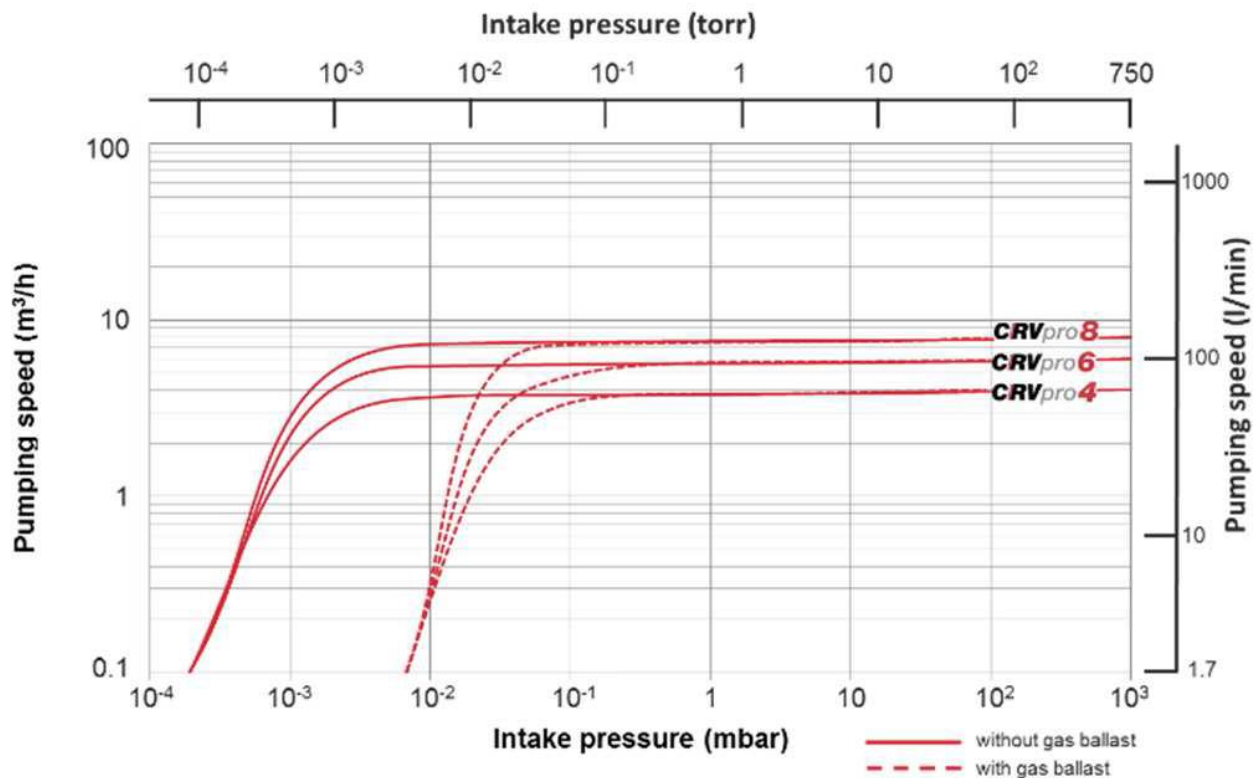
VWR International bestätigt, dass das Produkte allen zutreffenden Spezifikations- und/oder Zeichnungs- und/oder Standardanforderungen sowie den im Dokument aufgeführten gültigen Vorschriften entspricht.

VWR Catalog No. : 181-0498

Parameter	Data	Unit
Pumping speed 50/60 Hz DIN 28426 part 1 (pneurop)	3.8 / 4.7	m ³ / · h ⁻¹
Ultimate pressure DIN 28426 (pneurop) with rated speed 1450/min (50 Hz)		
without gas ballast partial	5 x 10 ⁻⁴	mbar
without gas ballast total	2 x 10 ⁻³	
with gas ballast total	7 x 10 ⁻²	
Max. inlet/outlet pressure	1	Bar
Intake port	Small flange DN 16 KF	-
Exhaust port	Small flange DN 16 KF	
Ambient temperature	+ 10 to + 40	°C
Noise level DIN EN ISO 2151	50	dB (A)
Oil filling	1150	ml
Voltage	220-240 or 115 / 230 (switchable)	V
Frequency	50/60	Hz
Motor power	0.37 / 0.4	kW
Motor speed 50/60Hz	1450 / 1750	rpm
Type of protection DIN EN 60529	IP 54	-
Dimensions (W/D/H)	463 / 157 / 230	mm
Shipping Carton Dimensions (W/D/H)	566 / 330 / 330	mm
Weight	21	kg
Shipping Weight	26	kg

Certificate of Conformity

Intake pressure- /Pumping speed - diagram



Other Characteristics:

- The two-stage rotary vane pump CRVpro 4 provides highest reliability for stable operation, long product lifespan and extends service interval.
- Customers benefit from a reduced risk of chemical attacks and oil breakdown by diluting aggressive chemicals with a larger oil chamber.
- Its a cool running characteristic also slows down any corrosion process.
- Inside surface of the oil, case has a PTFE coating and the outer surface of the pumping module has a black oxide coating. Both coatings act to slow metal corrosion and, when coupled with fore line traps, extend service interval.
- Furthermore, the CRVpro also enables extended oil change intervals for less maintenance costs.
- Less oil consumption is a result of the cool running operation and the extended usability of oil based on a high dilution effect because of a larger oil chamber.



Certificate of Conformity

- Moreover, the low weight, flexible handle and compact design of the pump makes the rotary vane pump a portable and flexible partner in laboratories and industrial applications.
- Scope of delivery: Pump is supplied complete with Welch Directorr premium vacuum pump oil, centering rings, clamps and motor overload protection. Ready for use after oil filling.
- For evacuation of recipients or vacuum systems down to the fine vacuum range
- For pumping biological and toxic gases and vapors
- In chemical laboratories and in industry
- For Freeze dryers, Schlenk lines, Industrial applications
- As single or backing pump for turbomolecular and diffusion pumps

Disclaimer: VWR wants to state that this declaration will not discharge the user from his obligation to ensure the product is suitable for the intended use. - If there is any doubt ask us.

Date of issue: **February 2018**