


# Data Sheet (EN)

Translation of the german original

**WELCH**  
by Gardner Denver

Photo	Designation	Order no.
	<p><b>Rotary Vane Pump two stage</b></p> <p><i>Model: CRVpro 8</i></p>	<p><b>3082-00</b></p>

Technical Data		
Parameter	Data	Unit
<b>Pumping speed 50/60 Hz</b> DIN 28426 part 1 (pneurop)	7.3 / 8.6	m <sup>3</sup> / · h <sup>-1</sup>
<b>Ultimate pressure</b> DIN 28426 (pneurop) with rated speed 1450/min (50 Hz)		
- without gas ballast partial	5 x 10 <sup>-4</sup>	mbar
- without gas ballast total	2 x 10 <sup>-3</sup>	
- with gas ballast total	7 x 10 <sup>-2</sup>	
<b>Max. inlet/outlet pressure</b>	1	bar
<b>Intake port</b>	Small flange DN 16 KF	-
<b>Exhaust port</b>	Small flange DN 16 KF	
<b>Ambient temperature</b>	+ 10 to + 40	°C
<b>Noise level</b> DIN EN ISO 2151	50	dB (A)
<b>Oil filling</b>	1000	ml
<b>Voltage</b>	220-240 or 115 / 230 (switchable)	V
<b>Frequency</b>	50/60	Hz
<b>Motor power</b>	0.37 / 0.4	kW
<b>Motor speed 50/60Hz</b>	1450 / 1750	rpm
<b>Type of protection</b> DIN EN 60529	IP 54	-
<b>Dimensions (W/D/H)</b>	463 / 157 / 230	mm
<b>Shipping Carton Dimensions (W/D/H)</b>	566 / 330 / 330	mm
<b>Weight</b>	22.5	kg
<b>Shipping Weight</b>	27.5	kg

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**Gardner Denver Thomas GmbH**  
Am Vogelherd 20  
98693 Ilmenau  
Germany

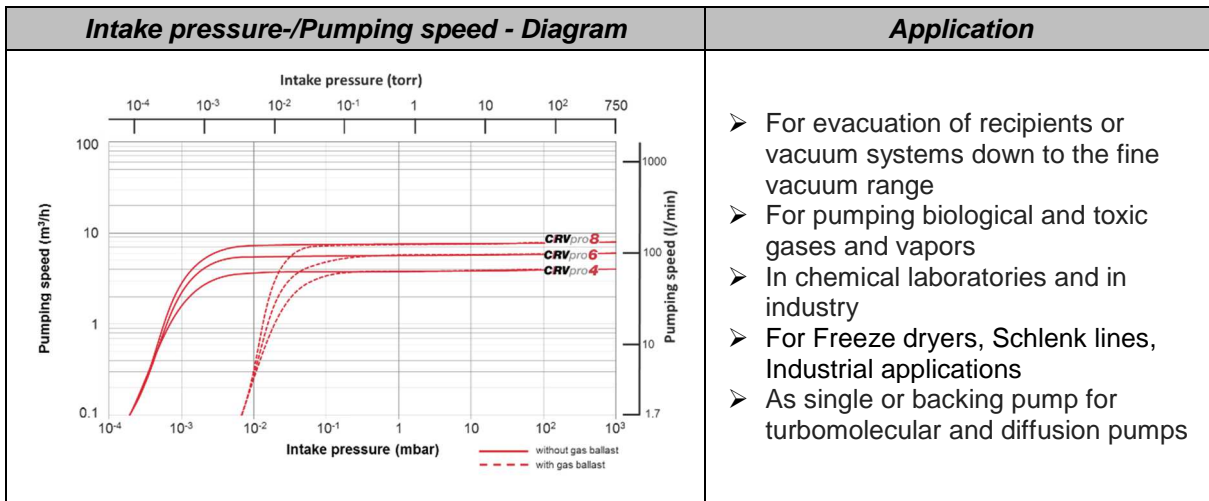
T +49 3677 604 0  
F +49 3677 604 131  
[welch.emea@gardnerdenver.com](mailto:welch.emea@gardnerdenver.com)  
[www.welchvacuum.com](http://www.welchvacuum.com)  
Customer Support +49 3677 604 0

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<b>Description / Scope of delivery</b>
<p><b>Description</b></p> <p>The two-stage rotary vane pump CRVpro 8 provides highest reliability for stable operation, long product lifespan and extends service interval.</p> <ul style="list-style-type: none"> <li>➤ Customers benefit from a reduced risk of chemical attacks and oil breakdown by diluting aggressive chemicals with a larger oil chamber.</li> <li>➤ It's cool running characteristic also slows down any corrosion process.</li> <li>➤ 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.</li> <li>➤ Furthermore, the CRVpro also enables extended oil change intervals for less maintenance costs.</li> <li>➤ 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.</li> <li>➤ 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.</li> </ul> <p><b>Scope of delivery</b></p> <p>Pump is supplied complete with Welch Directorr premium vacuum pump oil, centering rings, clamps and motor overload protection. Ready for use after oil filling.</p>

<b>Accessories</b>		
Photo	Model / Description	Order no.
	<b>Separator AKS 16</b> (intake side) separates substances in liquid and solid state on the pump and the connected recipient.	<b>320016</b>
	<b>Separator AKD 16</b> (exhaust side) separates oil vapor from the exhaust air from the pump.	<b>320015</b>
	<b>Cold Trap, DN10</b> , (intake side) provides pre-pump protection by condensing vapors and reduce the chemical loading.	<b>1420H-14</b>
	<b>Oil mist filter</b> (exhaust side) <b>OME 10/16</b> for minimized of the output of oil mist.	<b>700010</b>