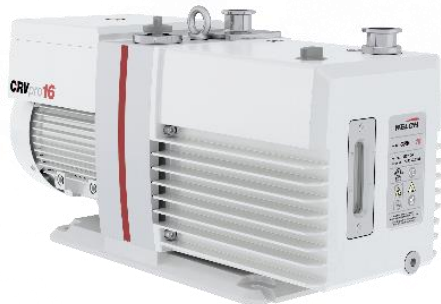


# Data Sheet (EN)

Translation of the german original

| Photo                                                                             | Designation                                                          | Order no.      |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|
|  | <b>Rotary Vane Pump<br/>two stage</b><br><br><b>Model: CRVpro 16</b> | <b>3162-00</b> |

| Technical Data                                                                    |                       |                                    |
|-----------------------------------------------------------------------------------|-----------------------|------------------------------------|
| Parameter                                                                         | Data                  | Unit                               |
| <b>Pumping speed 50/60 Hz</b><br>DIN 28426 part 1 (pneurop)                       | 16.8 / 20.2           | m <sup>3</sup> / · h <sup>-1</sup> |
| <b>Ultimate pressure</b> DIN 28426 (pneurop)<br>with rated speed 1450/min (50 Hz) |                       |                                    |
| - without gas ballast partial                                                     | 3 x 10 <sup>-4</sup>  | mbar                               |
| - without gas ballast total                                                       | 3 x 10 <sup>-3</sup>  |                                    |
| - with gas ballast total                                                          | 6 x 10 <sup>-3</sup>  |                                    |
| <b>Max. inlet/outlet pressure</b>                                                 | 1,5 / 0,2             | bar                                |
| <b>Intake port</b>                                                                | Small flange DN 25 KF | -                                  |
| <b>Exhaust port</b>                                                               | Small flange DN 25 KF |                                    |
| <b>Ambient temperature</b>                                                        | + 10 to + 40          | °C                                 |
| <b>Noise level</b> DIN EN ISO 2151                                                | 55                    | dB (A)                             |
| <b>Oil filling</b>                                                                | 2410                  | ml                                 |
| <b>Voltage</b>                                                                    | 220-240               | V                                  |
| <b>Frequency</b>                                                                  | 50/60                 | Hz                                 |
| <b>Motor power</b>                                                                | 0,7 / 0,85            | 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>                                                         | 569 / 206 / 289       | mm                                 |
| <b>Shipping Carton Dimensions (W/D/H)</b>                                         | 680 / 381 / 381       | mm                                 |
| <b>Weight</b>                                                                     | 37                    | kg                                 |
| <b>Shipping Weight</b>                                                            | 42                    | kg                                 |



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

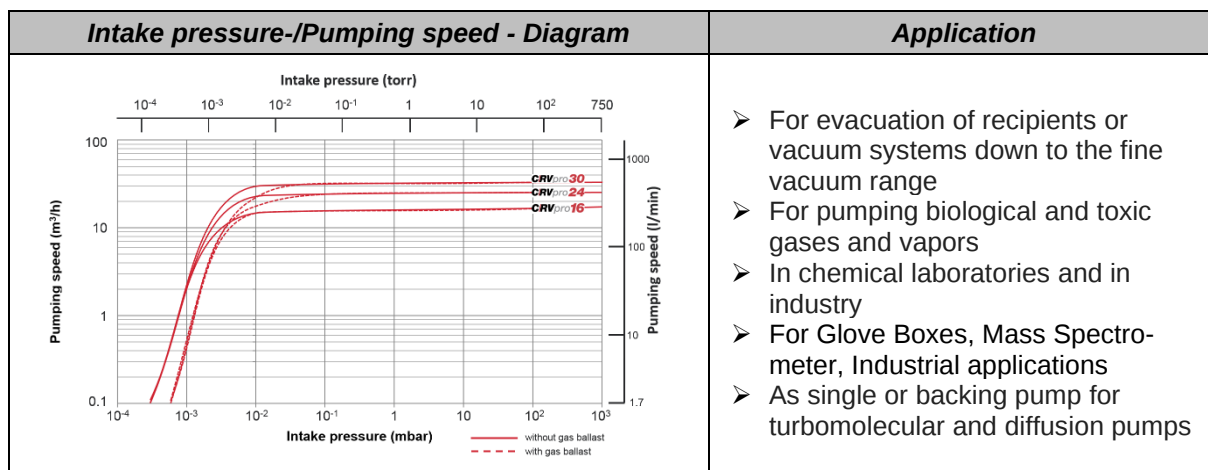
T +49 3677 604 0  
F +49 3677 604 131  
[welch.emea@gardnerdenver.com](mailto:welch.emea@gardnerdenver.com)  
[www.welchvacuum.com](http://www.welchvacuum.com)  
Customer Support +49 3677 604 0

We are constantly working on the further development of all our product types. Reprinting or reproduction of this manual, including extracts, is not allowed without the prior written permission of Co. Gardner Denver Thomas GmbH. All rights under the copyright laws are expressly reserved by Co. Gardner Denver Thomas GmbH. We reserve the right to make changes and amendments.

The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as aid to help in the selection of products. It is the responsibility of the user to determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. Gardner Denver Thomas GmbH does not warrant, guarantee or assume any obligation or liability in connection with this information.

# Data Sheet (EN)

Translation of the german original



| Description / Scope of delivery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Description</b></p> <p>The two-stage rotary vane pump CRVpro 16 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>➤ Its 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> |

| Accessories |                                                                                                                                                  |               |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Photo       | Model / Description                                                                                                                              | Order no.     |
|             | <b>Separator AKS 25</b> (intake side) separates substances in liquid and solid state on the pump and the connected recipient.                    | <b>320018</b> |
|             | <b>Separator AKD 25</b> (exhaust side) separates oil vapor from the exhaust air from the pump.                                                   | <b>320017</b> |
|             | <b>Cold Trap, DN25</b> , (intake side) provides pre-pump protection by condensing vapors and reduce the chemical loading.                        | <b>705121</b> |
|             | <b>FOM25 Oil mist filter</b> (exhaust side) for professional oil mist filter with automatic oil drainback, for excellent elimination of oil mist | <b>700622</b> |