

Choose Welch Vacuum . . .



**Compact, Portable
Rotary Vane Vacuum Pump**



**Model CRVpro2
Your Robust Vacuum Pump**

- High vacuum, 2×10^{-3} Torr
- Free air displacement, 50 lpm (1.8 cfm)
- Cool running
- Internal surface protection
- Large oil capacity

Welch CRVpro2 is the newest addition to the CRVpro family of robust, 2-stage rotary vane vacuum pumps. Built to last. Born to perform. And designed to simplify your work.

The enhanced air flow allows the pump to run 10°C cooler than standard rotary vane pumps. The lower the temperature leads to reduced chemical activity within the pump and slows down rates of oil consumption.

Internal 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 foreline traps, extend service interval.

Chemical vapors that sublime from the foreline cold trap into the pump oil are more diluted due to the larger oil capacity. This minimizes the rates of oil breakdown and reduce chemical attacks within the pump.

Common applications for CRVpro2 include small freeze dryers ($\leq 2L$), Schlenk lines, small vacuum ovens (<1 Cu. Ft.), benchtop GC/MS, and tube furnaces.

Specifications

Parameter	CRVpro2
Free Air Displacement @60Hz, lpm (cfm)	50 (1.8)
Ultimate Pressure, Torr	2×10^{-3}
Connection flanges, inlet & exhaust	NW16
Hose connection, inlet, ID of tubing, in.	7/16
Noise level, dB (A)@50Hz	≤ 50
Oil capacity, ml (qts)	450 (0.5)
Motor rpm	1740
Motor power, watts	300
Weight, lbs (kg)	33(15)
Dimensions LxWxH, in. (cm)	15.1x5.4x9.2 (38x13.8x23.5)
Ordering information	
115/230V 50/60Hz 1ph set at 115V, with 115V NA line cord and plug	3021-01

Note: Includes hose barb to NW flange to accept 7/16 in. ID hose, 2 NW16 hinge clamps and 2 NW16 centering rings.



Welch exhaust filter with coalesced oil drainback feature. Filter reduces oil consumption and enables a clean work space.

Description	Order No.
Welch exhaust filter with oil return	1417E
Replacement element for 1417E exhaust filter	1417R