

# CRVpro

Your Robust Vacuum Pump

Meet the newest members of Welch's robust vacuum pump series - **CRVpro48 & 65**

- ✓ HIGH CAPACITY PROCESS PUMPS
- ✓ FASTER PUMP-DOWN
- ✓ INTERNAL SURFACE PROTECTION
- ✓ FORCED OIL LUBRICATION
- ✓ LOW NOISE & VIBRATION
- ✓ ANTI-SUCK BACK VALVE
- ✓ CUL AND CE

Welch's CRVpro48 and 65 are robust, two-stage rotary vane vacuum pumps designed for extended service intervals - cool running, internal surface protection and large oil capacity.

Built-in is the latest modern pump technology such as forced oil lubrication that ensures moving parts are bathed in fresh oil even at elevated pressures, leak tight for pumping hazardous gases and anti-suck back valve that prevents oil from being sucked into vacuum system in the event of power failure. All these features plus offering high throughput in a small footprint and cUL certification/CE mark.



## AMERICAS

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# WELCH

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## COMMON APPLICATIONS FOR CRVPRO 48 & 65

- ✓ Thin film coating
- ✓ Refrigeration dehydration
- ✓ Freeze drying
- ✓ Vacuum drying
- ✓ Degassing of transformer oils, epoxies, etc.
- ✓ Distillation
- ✓ Vessel or chamber evacuation
- ✓ Backing pumps for blowers
- ✓ Space simulation
- ✓ Chemistry/pharmaceuticals
- ✓ Metallurgy/furnaces
- ✓ Production of semiconductors

## CRVPRO 48 & 65 TECHNICAL SPECIFICATIONS<sup>1,2,3</sup>

SPECS	CRVpro 48	CRVpro 65
Free Air Displacement @60Hz, CFM (lpm)	39.4 (1113)	52.5 (1487)
Free Air Displacement @50Hz, m <sup>3</sup> /hr (lpm)	55.7 (928)	74.3 (1238)
Total Ultimate Vacuum Pressure, Torr (mbar)	0.002 (0.003)	
GB Open Full, Total Pressure, Torr (mbar)	0.005 (0.006)	
Motor Pump RPM@60Hz	1760	
Motor Power, kw	2.2	
Oil Capacity, ml	4950	4300
Intake Flange	NW40	
Exhaust Flange	NW40	
Noise Level, dBA (60Hz)	≤60	
Ambient environmental temp	10 to 40 deg C	
Dimensions, LxWxH, cm (in.)	79.6x26.2x36.9 (31.4x10.3x14.5)	
Weight, kg (lbs)	99 (218)	100 (220)
ORDERING INFORMATION	CRVpro 48	CRVpro 65
Three phase; (230-240)/(380-420)V +/- 5% 50Hz (240-265)/(415-460)V +/- 5% 60Hz	3487T-01	3657T-01

1. CRVpro48 & 65 comes with two NW40 hinge clamps, two NW40 centering rings, and 5 liters of Welch Premium Vacuum Pump Oil(cat. no. 8995P-11).
2. Electrician is needed to connect via the appropriate cable and a suitable motor protection switch.
3. cUL certification(E485334) and CE mark.

## EXHAUST FILTER



USEAGE	DESCRIPTION	FILTER W/CASE CAT. NO.	FILTER ELEMENT CAT. NO.
CRVpro 48 & 65	Exhaust Filter made of carbon steel treated to resist corrosion, NW40 flange on inlet side and outlet side.	1417D-40	1417H-02

**CRVpro2**    **CRVpro4,6,8**    **CRVpro16,24,30**    **CRVpro48,65**

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