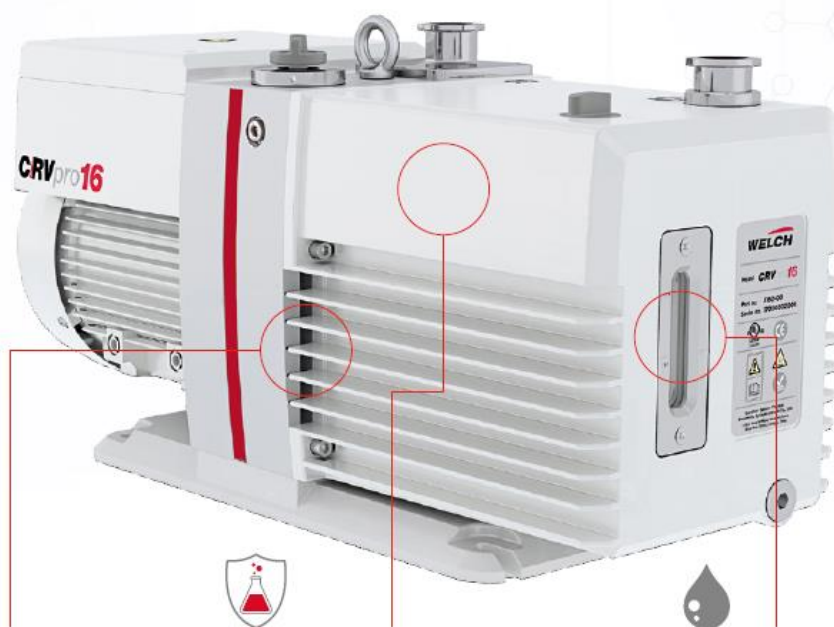


CRVpro

Your Robust Vacuum Pump

Discover the evolution of two-stage rotary vane vacuum pumps. Built to last. Born to perform. And designed to simplify your work. Meet the robust vacuum pump series - CRVpro.



COOL RUNNING

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



INTERNAL SURFACE PROTECTION

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 foreline traps, extend service interval.



LARGE OIL CAPACITY

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.

YOUR BENEFITS

Highest reliability for stable operation and long product lifespan

- ✓ Reduced risk of chemical attacks and oil breakdown by diluting chemical vapors with a larger oil chamber
- ✓ Slowing down corrosion by cool running operation
- ✓ Provides a measure of protection from sublimed chemical vapors with coating on pump module and oil case

Extended oil change intervals for less maintenance costs

- ✓ Less oil consumption by cool running operation
- ✓ Extended usability of oil due to high dilution effect by a larger oil chamber



1 LOW NOISE LEVEL

Exceptionally quiet for undisturbed work.

2 FORCED OIL LUBRICATION

Ensures moving parts are bathed in fresh oil. Equilibrates temperature, minimizes oil breakdown, and prolongs mechanical life.

3 ANTI-SUCK BACK VALVE

Prevents oil from being sucked into application in the event of a power failure.

4 GAS BALLAST WITH INERT GAS OPTION

Minimizes entrained chemicals in pump oil. Protects pump from condensable liquids from application such as water, acetyl nitrile, etc.

5 cUL AND CE CERTIFICATION

Compliance with local regulations and safety directives for safety operation.

6 SIZED TO FIT YOUR APPLICATION

Modern and compact design to fit different applications and performance requirements.

7 DUAL VOLTAGE MOTOR

Dual voltage motors meet IP54 standard. Motors of CRVpro 2,4,6,8 are switchable from 115V to 240V for global use excluding 100V and 200V pump versions. Each pump includes power cord suitable for country use.

8 LABYRINTH EXHAUST BAFFLING SYSTEM

To reduce oil mist emission and dampen noise level (excluding CRVpro2).



WELCH CRVpro6

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Free air displacement

- @ 50 Hz	m ³ /h (l/min)	6 (100)
- @ 60 Hz	CFM (l/min)	4.2 (118)

Pumping speed

- @ 50 Hz	m ³ /h (l/min)	5.1 (85)
- @ 60 Hz	CFM (l/min)	3.7 (105)

Ultimate pressure

- Without gas ballast partial	mbar (Torr)	5x10 ⁻⁴ (4x10 ⁻⁴)
- Without gas ballast total	mbar (Torr)	2x10 ⁻³ (1.5x10 ⁻³)
- With gas ballast total	mbar (Torr)	7x10 ⁻² (5x10 ⁻²)

Connection flanges	DN	16 KF
Ambient temperature	°C	10-40
Noise level (50 Hz)	dB (A)	≤50
Oil capacity	ml	1150
Motor speed	rpm 50/60 Hz	1450/1740
Motor power	kW 50/60 Hz	0.37/0.4
Weight	kg	22
Dimensions L x W x H	mm	463/157/230*

* Without handle.