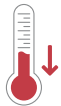


CRVpro

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.

HIGHEST RELIABILITY

LONG PRODUCT LIFESPAN

LESS MAINTENANCE

EXTENDS SERVICE INTERVAL

Applications

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Also commonly used in OEM instrumentation and high vacuum backing pump applications

Standard Features of CRVpro

- 1 Low Noise Level
- 2 Forced Oil Lubrication
- 3 Anti-Suck Back Valve
- 4 Gas Ballast
- 5 cUL & CE Certification
- 6 Sized To Fit Your Application
- 7 Dual Voltage Motor On CRVpro 4,6,8



CRVpro I Direct Drive Rotary Vane Pump



Model CRVpro 4 Model CRVpro 6 Model CRVpro 8 Model CRVpro 16 Model CRVpro 24 Model CRVpro 30

Specifications

Model	CRVpro 4	CRVpro 6	CRVpro 8	CRVpro 16	CRVpro 24	CRVpro 30
Free Air Displacement						
CFM(l/min)@60Hz	2.8(78)	4.2(118)	5.6(118)	11.8(333)	17(481)	21(849)
M3/hr(lpm)@50Hz	4(67)	6(100)	8(133)	16.7(278)	24(400)	30(500)
Ult. Vacuum Pressure Total, torr(mbar)	1.5x10 ⁻³ (2x10 ⁻³)	1.5x10 ⁻³ (2x10 ⁻³)	1.5x10 ⁻³ (2x10 ⁻³)	4x10 ⁻⁴ (3x10 ⁻⁴)	4x10 ⁻⁴ (3x10 ⁻⁴)	4x10 ⁻⁴ (3x10 ⁻⁴)
Sound Level, dBA@50Hz	50	50	50	55	55	55
Motor/Pump Speed(50/60Hz)	1450/1725	1450/1725	1450/1725	1450/1725	1450/1725	1450/1725
Motor Horsepower, kW(50/60Hz)	0.37/0.4	0.37/0.4	0.37/0.4	0.75	1.1	1.1
Oil Capacity, qt.(liters)	1.22(1.15)	1.22(1.15)	1.06(1.00)	2.55(2.41)	2.10(2.00)	2.10(2.00)
Intake/Exhaust Flange	NW16	NW16	NW16	NW25	NW25	NW25
Tubing Needed, I.D. in. (mm)	5/8-3/4(16-19)	5/8-3/4(16-19)	5/8-3/4(16-19)	13/16(21)	13/16(21)	13/16(21)
Weight, lbs.(kg)	49.7(22.6)	50.2(22.8)	51.7(23.5)	81.4(37)	84.7(38.5)	86.9(39.5)
Overall Dimensions LxWxH in.(cm)	18.2x6.1x9.1 (46x16x23)	18.2x6.1x9.1 (46x16x23)	18.2x6.1x9.1 (46x16x23)	22.4x8.1x11.4 (57x21x29)	22.4x8.1x11.4 (57x21x29)	22.4x8.1x11.4 (57x21x29)
Shipping Carton Weight, lbs. (kg)	59.8(27.2)	60.3(27.4)	61.8(28.1)	94.8(43.1)	96.8(44)	99(45)
Shipping Carton Dimensions LxWxH in. (cm)	22.8x13x12.8 (58x33x33)	22.8x13x12.8 (58x33x33)	22.8x13x12.8 (58x33x33)	26.9x15.1x15.3 (68x38x39)	26.9x15.1x15.3 (68x38x39)	26.9x15.1x15.3 (68x38x39)

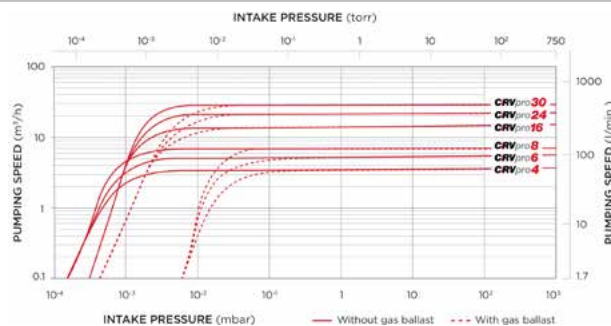
Ordering Information

Wired for 115V, 60Hz, 1Ph with N. Amer. 115V plug ¹	3041-01	3061-01	3081-01	3161-01	3241-01	3301-01
Wired for 230V, 50/60Hz, 1Ph with Schuko, UK and male/female IEC plugs ¹	3042-01	3062-01	3082-01	3162-01	3242-01	3302-01

Note: 1. CRVpro 4, 6, 8 includes qty one hose barb adapter(NW16 to 5/8-3/4 in.), qty one NW16 to NW25 adapter, qty two NW16 centering rings and qty two NW 16 hinge clamps. CRVpro 16, 24, 30 includes is qty one hose barb adapter(NW25 5/8 to 3/4 in.), qty two NW25 centering rings and qty two NW 25 hinge clamps.

Pumping Speed Curves

CRVpro pumps are known for their high efficiency pumping into the low millitorr range. Their characteristic flat speed curves illustrates the high efficiency pump. The tight part tolerances and cooler operating temperatures generate less blowback during pumpdown.



For a Complete System

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