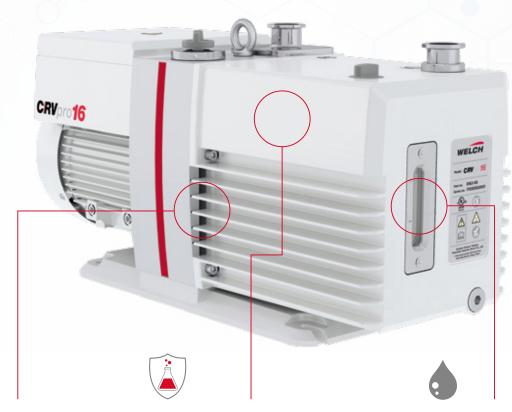




Your Robust Vacuum Pump

CR*Vpro*

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

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.

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

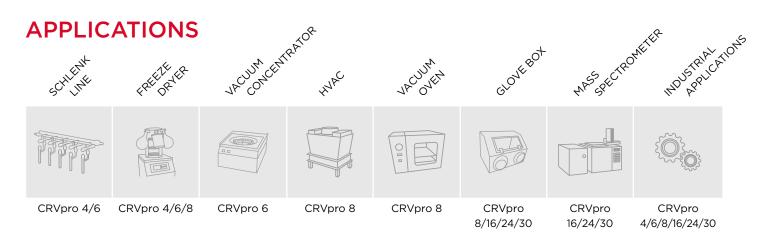
Compliance with local regulations and safety directives for safety operation.

SIZED TO FIT YOUR APPLICATION

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

DUAL VOLTAGE MOTOR

Dual voltage motors meet IP54 standard. Motors of CRVpro 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.



TECHNICAL DATA

PARAMETER	UNIT	CRVpro 4	CRVpro 6	CRVpro 8	CRVpro 16	CRVpro 24	CRVpro 30	
Free air displacement								
- @ 50 Hz	m³/h (L/min)	4 (67)	6 (100)	8 (133)	18,3 (305)	26,2 (436)	33,1 (551)	
- @ 60 Hz	CFM (L/min)	2,8 (78)	4,2 (118)	5,6 (158)	12,8 (363)	18,3 (519)	22,1 (627)	
Pumping speed								
- @ 50 Hz	m³/h (L/min)	3,8 (63)	5,1 (85)	7,3 (122)	16,8 (280)	24 (400)	29 (483)	
- @ 60Hz	CFM (L/min)	2,7 (77)	3,7 (105)	5,1 (143)	11,9 (336)	17 (480)	20,5 (580)	
Ultimate pressure								
- Without gas ballast partial	mbar (Torr)	5x10 ⁻⁴ (4x10 ⁻⁴)			3x10 ⁻⁴ (2x10 ⁻⁴)			
- Without gas ballast total	mbar (Torr)	2x10 ⁻³ (1.5x10 ⁻³)			3x10 ⁻³ (2x10 ⁻³)			
- With gas ballast total	mbar (Torr)	7x10 ⁻² (5x10 ⁻²)			6x10 ⁻³ (5x10 ⁻³)			
Connection flanges	DN	16 KF			25 KF			
Ambient temperature	°C	10-40						
Noise level (50 Hz)	dB (A)	50			55			
Oil capacity	ml	115	50	1000	2400	2200	2100	
Motor speed	rpm 50/60 Hz	1450/1740			1450/1750			
Motor power	kW 50/60Hz	0,37/0,4			0,7/0,85			
Weight	kg	21	22	22,5	37	38,5	39,5	
Dimensions, L x W x H	mm	463/157/230*			569/206/289			

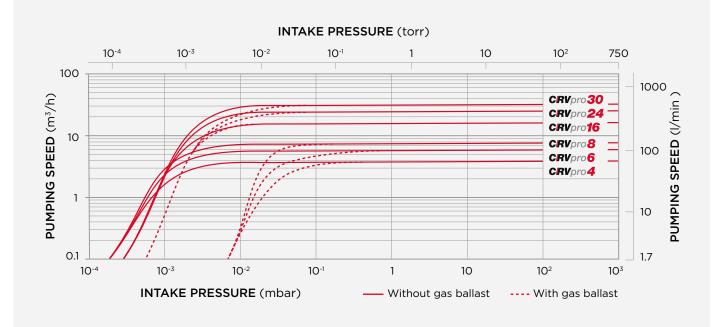
* Without handle

ORDERING INFORMATION

DESCRIPTION	CRVpro 4	CRVpro 6	CRVpro 8	CRVpro 16	CRVpro 24	CRVpro 30
220-240 V / 50 Hz; 230 V / 60 Hz, 1 phase motor with line cord EU-plug (CEE 7/4), line cord UK-plug (BS1363), line cord US-plug (Nema-5)	3042-00	3062-00	3082-00	3162-00	3242-00	3302-00
Service kit	S3077-99	S3078-99	S3079-99	S3193-99	S3194-99	S3195-99
Seal kit		S3080-99			S3192-99	

Every pump is supplied complete with Directorr™ Premium vacuum pump oil, centering rings, clamping rings and motor overload protection. Ready for use after oil filling. Motor versions (e.g. explosion proof, 3-phase) upon request.

PERFORMANCE



COMPLETE PACKAGES & ACCESSORIES

PACKAGES (PUMP + ACCESSORIES)		DESCRIPTION	CRVpro 4	CRVpro 6	CRVpro 8	
CRVpro basic package		CRVpro with oil mist separator AKD 16, 2-way valve, hose connector DN 16KF-10/8 mm, vacu hose (1,5 m), oil change set		330072	330073	
CRVpro measurement package		CRVpro with digital vacuum gauge PIZA 111 cr-gold, oil mist separator AKD 16, 2-way ball valve, T-piece, hose connector DN16KF-10/8 m vacuum hose (2,5 m), oil change set	m, 330074	330075	-	
ACCESSORIES	DESCRIPTION	ORDER NO.				
			CRVpro 4,6,8	CRVpi	o 16,24,30	
Vacuum	Directorr™ premium	800995-01				
pump oil	Directorr™ premium	800995-05				
a	Inlet condenser	(AKS 16) 3200	16 (AKS 2	(AKS 25) 320018		
On inlet Nitrogen (dry ice) col		d trap DN10	1420H-14		-	
On outlet	Oil mist separator A horizontal arrangem	(AKD 16) 3200	15 `	(AKD 25) 320017 CRVpro 16 only		
	Economic oil mist fil	(10/16) 700010) (30/2	(30/25) 700012		
	Standard exhaust fill	1417P-8	14	1417P-11		
	Professional exhaust pump noise reduction	1417C	1	1417D		
Vacuum hose	Hose adaptor kit with hose connector, red rubber vacuum hose 1,5 m and clamps		330060			
	Stainless steel vacuu	(DN16) 710755	5 (DN2	(DN25) 710756		
Oil change set	Oil drain valve, funnel		340011			
Application and vacuum control kit	valve, PVC vacuum h	dryer adapter kit, with oil mist separator AKD, 2-way ball VC vacuum hose (1,5 m) and hose connector DN 16KF / F, hinge clamp ring and centering ring		1 (DN2	(DN25) 330032	
	· · · · · · · · · · · · · · · · · · ·	digital vacuum gauge MRV 100 with PIZA 111 noid valve, hinge clamp ring and centering ring	(DN16) 33005	3 (DN2	5) 330054	

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