



**CRVpro
Rotary Vane Pump**

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

**Model: 2034C-02
FOR ROTARY EVAPORATOR**

- Evaporation
- Filtration
- Vacuum Ovens
- Rotary Evaporation/Distillation
- Concentrators
- Gel Dryers
- Pumping harsh vapors & gases

FEATURES

- PTFE construction for aggressive vapors & gases
- Vacuum to 2 torr, throughput to 70 L/min
- No water or oil
- Quiet operation

DryFast PUMPS FOR ROTARY EVAPORATORS

provide the powerful vacuum needed for demanding evaporation without the use of oil pumps prone to solvent induced failure. Use DryFast Ultra 2torr (2.7mbar) ultimate vacuum to strip DMF fast. Use the DryFast tuneable vacuum adjustment to optimize your evaporation. Choose from four DryFast models to fit your evaporation needs.



Diaphragm Pumps MPC 105T (oil free)

Ideal for rotary evaporator distillation application

- For dry, oil-free applications in the rough and medium-high vacuum range
- Quiet running and long lifetime
- Chemically resistant diaphragm pumps (MPC) are resistant to aggressive solvents and acidic vapors - the diaphragms and gas contacting parts consist of PTFE and PTFE compounds and the pumping and connection heads are carbon fiber reinforced with electrical conductivity
- Ultimate Vacuum (mbar): <2
- Pumping Speed (50/60Hz (m³/h)): 0.8 / 0.9



Laboratory Vacuum Systems LVS105T-10ef

- Ideal for rotary evaporator distillation application
- Compact, dry-running, chemical resistant pump systems, the ideal solution for many applications in chemical laboratories and research
- Almost 100% solvent recovery
- Ranges of applications: vacuum distillation, laser technology, packaging industry, environmental technology, vacuum concentrators, vacuum drying
- Ecoflex Laboratory Vacuum Systems are equipped with a vacuum controller and a chemical resistant diaphragm pump with appropriate speed control. The pumping speed can be precisely controlled, e.g. for gentle distillations
- Ultimate vacuum: <2 mbar
- Pumping Speed 50/60Hz: 1.8 / 2.0 m³/h



Catalog No.: 114184

LOW NOISE LEVEL

Exceptionally quiet for undisturbed work.

FORCED OIL LUBRICATION

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

ANTI-SUCK BACK VALVE

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

GAS BALLAST

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

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

IP44 Motors are switchable from 115V to 240V for global use. Each pump includes power cord suitable for country of use.

PARAMETER	UNIT	CRVpro 4	CRVpro 6	CRVpro 8
Free Air Displacement				
- @ 50Hz	m³/h (L/min)	4 (67)	6 (100)	8 (133)
- @ 60Hz	CFM (L/min)	2.8 (78)	4.2 (118)	5.6 (158)
Pumping speed				
- @ 50Hz	m³/h (L/min)	3.8 (63)	5.1 (85)	7.3 (122)
- @ 60Hz	CFM (L/min)	2.7 (77)	3.7 (105)	5.1 (143)
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)	

Model: 2534C-02

STANDARD DUTY OIL-FREE

- Aspiration / filtration
- Desiccation
- Replace water aspirator
- Vacuum Drying
- Chamber Roughing

FEATURES

- Vacuum and Pressure : to 60 Torr (27.6"Hg) and 106 Pascal (100 PSIG)
- Size: 34 L/min
- No Water or Oil
- Vacuum and Pressure Regulators and Gauges : simple to adjust, monitor vacuum level and delivery pressure
- Inlet Water Trap : float ball rises to seal off pump from accidental ingestion of water
- Muffler : quiets pump and filters discharge air

STANDARD DUTY DRY PISTON PUMPS FOR VACUUM FILTRATION

are effective for filtering aqueous solutions that are not strongly acidic or basic. These attractively priced pumps are oil-free and loaded with powerful features for filtration; vacuum and pressure adjustments with gauges, liquid traps at inlet & outlet, liquid shutoff at inlet, and noise reduction.



Model: 2511C-75

ASPIRATION/FILTRATION

- Degassing
- Aspiration / filtration
- Desiccation
- Replace water aspirator
- Vacuum Drying
- Chamber Roughing

FEATURES

- 1.2-L collection receiver with automatic shutoff
- Bleach Resistant Construction
- Inline hydrophobic filter
- Oil-Free
- Portable
- Vacuum Regulator
- WOB-L Piston Technology

VERSATILE MODEL 2511C-75

standard duty, oil-free station is an economical, portable solution for aspirating, filtering or rinsing. Added accessories include 1.2 liter autoclavable, bleach resistant collection receiver, vacuum regulator & gauge, hydrophobic inline filter, automatic shut-off and vacuum regulator to simplify use.

