



**Nove Welch pumpe – bolje performanse i
veća otpornost!**



New for 2023

CRVpro 8 CHEM XC

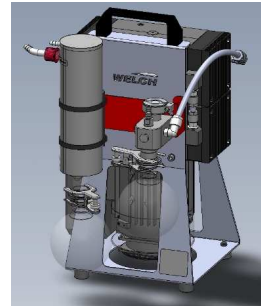
Freeze Dryer Vacuum Pump System



- Effective for Freeze Drying or concentration of samples, including **harsh chemicals such as TFA, Acetonitrile, HBr** and others
- Oil filtration uses **alumina element that neutralizes acids and removes solid reaction products** from the oil.

MXPC CONTROL

Automated Chemistry Vacuum System – fully accessorized



- Flow rates from 2,0 – 19,5 m³/h
- Features speed controlled motor - Single point excoflex control for precise vacuum regulation
- **ENERGY Saving pump model**

MORE TO COME

Stay tuned for more product innovations over the course of 2023



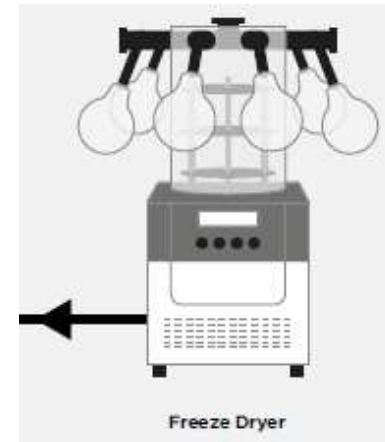
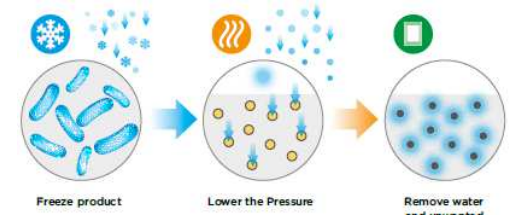
Freeze Dryer Application SETUP

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For free

CRVpro 8 CHEM XC
#3082-81

Freeze Dryer Adapter kit
#330044



APPLICATION NOTE

FREEZE DRYERS

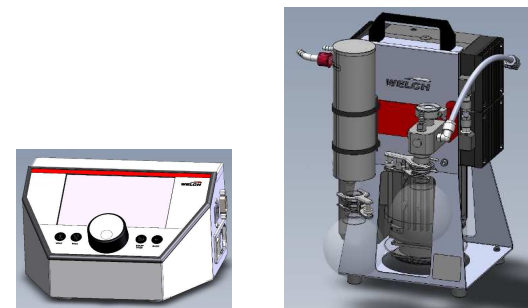
Vacuum pump oil can be quickly compromised by the vapors from a freeze dryer. Once oil is chemically damaged, lubrication properties diminish and vacuum pump quickly requires repair.

Organic solvents, acids, and other sublimated vapors may pass through the freeze dryer collector too rapidly to be effectively condensed. In general, better protection of your vacuum pump can be accomplished by:

- 1). Using a freeze dryer with a ultra-low refrigeration collector. Often these cool to -84°C or colder.
- 2). Ensuring that your freeze dryer is operating vacuum tight. Too high a flow - augmented by system leakage - prevents collector from operating efficiently.

Automated Chemistry Vacuum System

- Features our **NEW** controller generation
- **Remote control display** for flexible positioning on the bench
- **Speed-controlled motor for single-point vacuum control**
- **Chemistry diaphragm pump - High chemical Resistance**



	MXPC 303 Z control	MXPC 603 T control	MXPC 1203 E control	MXPC 1203 T control
Pumping speed / ultimate Pressure	2,0m ³ /h 5 mbar	4,0m ³ /h 1,5 mbar	8,0m ³ /h 60mbar	8,0m ³ /h 2mbar
Remote control display	✓	✓	✓	✓
Inlet separator	✓	✓	✓	✓
Exhaust Emissions Condenser	✓	✓	✓	✓
Price	4092 €	5272 €	5527€	7410 €

Promo

3693€

LVS 105 T-10ef+ - Fully Automated Lab Vacuum System

The perfect partner for rotary evaporators

- Speed-controlled vacuum system
- High chemical Resistance
- Optimised pumping speed (18l/min) Low final pressure (<2mbar)
- Item Number: **124184**



Vacuum-Controller VCpro

- ✓ modern 5 "color display
- ✓ **MANUAL & AUTO Modes** for automatic Distillation
- ✓ Intuitive **ICON** Navigation





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