

VACUUBRAND®

Exclusive Discounts



Level up!

- 1 Trade in your vacuum product for a brand-new model.
- 2 Enjoy a special discount on your upgrade.
- 3 Benefit from latest technology!

Upgrade Now

Chemistry Pumping Unit

PC 510 Select

The PC 500-series chemistry pumping units of this series are an excellent choice for supporting electronically controlled evaporation or drying processes. The popular MZ 2C NT two stage chemistry diaphragm pump is the heart of these pumping units, frequently used for medium-sized vacuum applications involving common solvents. The integrated VACUU·SELECT controller provides an easy-to-use, application based interface that covers all common lab applications. The VACUU·SELECT controller has you covered. Use manual set-point-control for simple processes, run distillations, or create your own application with simple drag-and-drop editing. For solvent evaporation, it detects the boiling pressure and switches to two point control to hold pressure steady when a boiling point is detected.



20733150

**CONTACT US
 FOR TRADE
 IN PRICE**

Ultimate vacuum	7 mbar
Ultimate vacuum with gas ballast	12 mbar
Max. pumping speed 50 Hz	2 m ³ /h

Rotary Vane Pump

RZ 6 Package

These powerful rotary vane pumps feature a particularly compact design and low weight for pumps of this capacity. They are the ideal solution for a wide range of laboratory and process applications that require low ultimate vacuum at medium to increased gas flow rate. This packages includes pump, oil mist filter, isolation valve and hose barb nozzle. Rotary vane pumps are used when an ultimate vacuum between a few mbar and down to 10^{-3} mbar has to be attained. Typical applications are degassing, lyophilization, fine vacuum distillation and drying chambers.

- ✓ high flow rates even at vacuum levels approaching ultimate vacuum
- ✓ high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- ✓ vacuum-tight at switch-off; external anti-suckback valve not needed
- ✓ large oil volume: Long intervals between oil changes
- ✓ ease of maintenance due to telescopic design



20798039

**CONTACT US
FOR TRADE
IN PRICE**

Ultimate vacuum	2×10^{-3} mbar
Ultimate vacuum with gas ballast	1×10^{-2} mbar
Max. pumping speed 50 Hz	5.7 m ³ /h

Chemistry Diaphragm Pump

MD 1C Vario

VARIO® chemistry pumping unit in action

This VARIO® chemistry pumping unit optimizes vacuum conditions automatically by precisely and continuously adjusting the diaphragm pump's motor speed. Thanks to the motor speed control the pump operates only when vacuum is needed, saving energy and reducing maintenance. The integrated vacuum controller enables fully automatic evaporation at a push of a button. Low space requirements, light weight and low operational noise contribute further to this unit's flexibility and popularity for laboratory use. The hysteresis-free vacuum control prevents superheating and foaming to protect valuable process samples. The controller enables automatic detection of vapor pressure and automatic adjustment of the vacuum level to the process requirements. Evacuation of larger vessels and process steps with high vapor volumes can be completed more quickly. Programmed vacuum processes can be controlled by the integrated CVC 3000 controller or using the RS232C interface to your computer.



20696662

**CONTACT US
FOR TRADE
IN PRICE**

Ultimate vacuum	mbar/torr 5 / 3.75
Ultimate vacuum (abs.) with gas ballast	mbar/torr 7 / 5.25
Max. pumping speed 50 Hz	1.7 m ³ /h

Chemistry Diaphragm Pump

ME 1C

The ME 1C diaphragm pump offers a compact, high performance and easy-to-use solution which is perfect for single filtrations. This development, based on the highly successful technology of the oil-free diaphragm pump MD 1C, provides a well-proven and extraordinarily long diaphragm life time. The functional, space saving and innovative design with easily accessible, top-mounted power switch ensures convenient and quick operation for day-to-day lab work. Robust PTFE diaphragms and valves provide optimal chemical resistance. A manual vacuum regulator valve with dial gauge for adjustment of pumping speed and ultimate vacuum is available as accessory. One-stage diaphragm pumps are an excellent solution for continuous, oil-free pumping of gases and vapors with a modest vacuum requirement. In contrast to water-jet pumps they do not consume water and therefore do not produce any contaminated waste water in daily use. Typical applications for the ME 1C are filtrations and solid phase extractions with solvents. At a process vacuum of 100 mbar, 90% of the atmospheric pressure is available as the driving force for the application. If a certain pressure difference must not be exceeded, the pump can be equipped with an optional manual vacuum regulator valve with dial gauge.



20721100

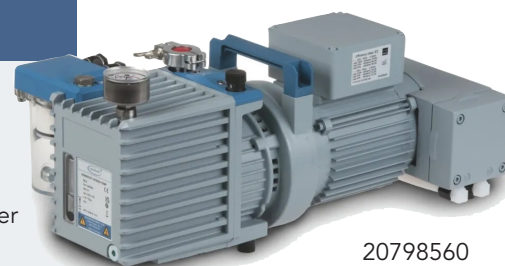
Ultimate vacuum	100 mbar
Max. pumping speed 50 Hz	0.7 m ³ /h

**CONTACT US
FOR TRADE
IN PRICE**

Chemistry Hybrid Pump

RC6

The RC 6 chemistry-HYBRID pump is a combination of a two-stage rotary vane pump and a two-stage chemistry diaphragm pump for optimized corrosion resistance. The diaphragm pump maintains the oil reservoir under vacuum in order to keep the partial pressures of solvent vapors at levels below their condensation points and to reduce largely the concentration of oxygen and corrosive gases.



20798560

Ultimate vacuum	2 x 10 ⁻³ mbar
Ultimate vacuum with gas ballast	1 x 10 ⁻² mbar
Max. pumping speed 50 Hz	5.9 m ³ /h

**CONTACT US
FOR TRADE
IN PRICE**

Chemistry Diaphragm Pump

PC 3001 Vario Select

The PC 3001 VARIO select pumping unit precisely controls the vacuum level in order to achieve unparalleled process control. This pump is suitable for even high boiling point solvents. The integrated VACUU-SELECT controller provides an easy-to-use, application based interface that covers all common lab applications.

Ultimate vacuum	2.0 mbar
Ultimate vacuum with gas ballast	4 mbar
Max. pumping speed 50 Hz	2 m ³ /h

**CONTACT US
FOR TRADE
IN PRICE**



20700200

Chemistry Screw Pump

Vacuupure 10C

The dry screw pump VACUU-PURE® 10C reliably delivers the benefits of oil-free vacuum technology in the pressure range of 10^{-3} mbar. The screw pump is especially designed for processes in the vacuum range down to 10^{-3} mbar, however unlike other fine vacuum technologies it can be used across the entire pressure range from atmospheric pressure to its ultimate vacuum. **100% oil free. Chemically Resistant. Maintenance Free.**



20751000

Ultimate vacuum	5×10^{-3} mbar
Max. pumping speed 50 Hz	9 m ³ /h

**CONTACT US
FOR TRADE
IN PRICE**

Chemistry Resistant Vacuum Sensor

VACUU•VIEW Extended

Upgrade to vacuview extended, measure through rough and fine vacuum for the price of a fine vacuum gauge.

For the monitoring of your vacuum processes in the rough and fine vacuum range, the new vacuum gauges VACUU•VIEW extended are perfect! The heavy duty combination of ceramic diaphragm sensor and ceramic jacketed Pirani sensor ensures reliable readings in the wide range from atmosphere down to 10^{-3} mbar.



20683220

**CONTACT US
FOR TRADE
IN PRICE**

Stand-Alone Fine Vacuum Controller

VACUU•SELECT Controller

The VACUU-SELECT complete controller provides enhanced process efficiency to applications supported by a vacuum source such as a basic pump or a powerful vacuum network. The VACUU-SELECT controller has you covered. Use manual set-point-control for simple processes, run pre-defined applications at the touch of a button, or create your own application with simple drag-and-drop editing.

The controller is available as a benchtop unit, ready for mounting on lab scaffolding, or as a built-in version for lab casework. The integrated controller includes the VACUU-SELECT vacuum controller, a check valve, and a chemical-resistant solenoid isolation valve. The ceramic vacuum sensor and venting valve are built right into the body of the VACUU-SELECT controller. The compact unit is easy to install and setup. With its intuitive, application-based interface, the controller offers predefined vacuum processes for all common laboratory applications. In the case of solvent evaporation, it detects the boiling pressure and then holds the pressure level stable using two-point control.



2070070

**CONTACT US
FOR TRADE
IN PRICE**