

# End of Year Clearance





## END OF YEAR CLEARANCE

### VACUUBRAND.



20700200

#### PC 3001 Vario Select

- Simplify lab work with the VACUU·SELECT vacuum controller with graphic user interface and predefined applications
- Automatic boiling point detection and continuous optimisation of vacuum levels for quick process times
- Compact and powerful; superior performance even with continuous condensate purge
- Eco-friendly: extremely low power consumption and efficient solvent recovery. Oil-free!

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Ultimate vacuum: 2.0 mbar
- ⇒ Ultimate vacuum with gas ballast: 4 mbar
- ⇒ Max. pumping speed 50Hz: 2m<sup>3</sup>/h

### VACUUBRAND.



20751000

#### VACUU•PURE 10C Screw Pump

The screw pump is especially designed for processes in the vacuum range down to 10<sup>-3</sup> mbar, however unlike other fine vacuum technologies it can be used across the entire pressure range from atmospheric pressure to its ultimate vacuum. At the same time, aggressive gases and vapors can be pumped without any worries because of the high chemical resistance. The use of a cold trap is no longer necessary in the majority of applications.

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Ultimate vacuum: 5 x 10<sup>-3</sup> mbar
- ⇒ Max. pumping speed 50 Hz: 9 m<sup>3</sup>/h

### VACUUBRAND.



20798560

#### RC6 Chemistry-HYBRID Pump

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.

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Ultimate vacuum: 2 x 10<sup>-3</sup> mbar
- ⇒ Ultimate vacuum with gas ballast: 1 x 10<sup>-2</sup> mbar
- ⇒ Max. pumping speed 5.9m<sup>3</sup>/h

### VACUUBRAND.



20732300

#### MZ 2C NT Chemistry Diaphragm Pump

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapours. All parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms increase reliability and extend operating life. The pump MZ 2C NT is equipped with a gas ballast valve for continuous condensate purge increasing the pumping capability of condensable vapors.

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Ultimate vacuum: 7 mbar
- ⇒ Ultimate vacuum with gas ballast: 12 mbar
- ⇒ Max. pumping speed 50 Hz 2m<sup>3</sup>/h



## END OF YEAR CLEARANCE

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 research made easy



571-01310-05-0

### Hei-VAP Core Rotary Evaporator

In close cooperation with users, we developed the Hei-VAP series of rotary evaporators with an emphasis on the essentials: well thought-out details with a focus on features and functions to facilitate everyday laboratory work.

This model is complete with hand-lift with vertical condenser with safety coated glassware.

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Rotation Speed: 10 – 280 rpm
- ⇒ Heating Capacity: 1.3 kW
- ⇒ Max Flask Size: 5 L
- ⇒ Overheat Bath Protection: Yes

**radleys**  
 research made easy



### Heat-On Block System

Heat-On makes your chemistry safer, cleaner and faster. Replace messy oil baths, heating mantles and avoid spills. Heat-On accepts vials, tubes and flasks from 10 ml to 5 litres. Fits on all leading hotplate brands with a 145 mm Ø top plate; optional adapter plate for 135 mm Ø top plates.

**CONTACT US FOR SPECIAL PRICING**

- 250ml Block, flouropolymer
- 500ml Block, flouropolymer
- 1L Block flouropolymer
- Safety handles
- 250ml Block, anodized
- 500ml Block, anodized
- 1L Block, anodized

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### Findenser Super Air Condenser

The sustainable condenser alternative to water condensers. Replaces the need for water-cooled reflux condensers in over 95% of all common chemistry applications.

Accepts standard tapered cone ground joint sockets. Can be used with a maximum solvent volume of 1 litre, and 10ml to 2L flasks.

**CONTACT US FOR SPECIAL PRICING**

- Findenser B24 Cone, B24 Socket
- Findenser B29 Cone, B24 Socket
- Findenser B19 Cone, B19 socket
- Findenser Mini B24 Cone, B24 Socket
- Findenser Mini B19 Cone, B19 Socket
- Findenser Mini B14 Cone, B14 Socket

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506-21150-00

### Hei-PLATE Sensor Basic Package Core+

Stirring and Heating with a Pt1000 - Simple and Precise.

The Hei-PLATE Mix 'n' Heat Core+ is a classic among magnetic stirrers, allowing users to gently stir at speeds up to 1,400 rpm and heat with high precision up to 300°C. It stands out with its robust design and advanced features, such as illuminated keys and knobs that indicate active functions at all times.

Includes:

- Magnetic stirrer Hei-PLATE Mix 'n' Heat Core+ (145 mm diameter) - Fast and precise heating - Without overshooting
- Pt1000 temperature sensor for precise temperature regulation

**CONTACT US FOR SPECIAL PRICING**





## END OF YEAR CLEARANCE

### Complete Rotary Evaporation Package

This rotary evaporation system package, includes:

- Hei-VAP Core with hand lift and vertical glassware set G3 (safety coated)
- Vacuubrand PC 101 NT chemistry pumping unit
- Huber Minichiller 300 OLE recirculating chiller
- Complete with enforced vacuum and cooling tube and hose clamps (Note: cooling fluid not included)

This 'workhorse' standard package is suitable to general laboratory evaporation, extraction and distillation tasks. Featuring high performance instruments built to the highest quality, the package offers users the ease of use and reliability that both research and teaching laboratories have come to trust time after time for reproducible operability.

**CONTACT US FOR SPECIAL PRICING**



#### Hei-VAP Core

##### Specifications

- ⇒ Rotation Speed: 10 – 280 rpm
- ⇒ Heating Capacity: 1.3 kW
- ⇒ Max Flask Size: 5 L
- ⇒ Overheat Bath Protection: Yes



#### PC 101 NT Chemistry Pumping Unit

##### Specifications

- ⇒ Ultimate Vacuum: 7 mbar
- ⇒ Ultimate Vacuum with gas ballast: 12 mbar
- ⇒ Max. pumping speed 50Hz: 2 m<sup>3</sup>/h



#### Minichiller 300 OLE

##### Specifications

- ⇒ Temperature range: -20...40 °C
- ⇒ Cooling capacity: 0.3KW @ 15°C
- ⇒ Mains voltage: 220-240V 1~/2~ 50/60Hz



### SpeedDry RVC 2-25 Standard Package

Vacuum Concentrator

- Ready-To-Use Universal Rotational Vacuum Concentrator Package for routine concentration work.
- Medium sized, it offers optimal processing without specimen splashing; via variable speed magnetic drive, automatic venting and internal control of vacuum applied.

**CONTACT US FOR SPECIAL PRICING**

##### Specifications

- ⇒ Includes vacuum valve and Vacuubrand MZ2C NT Chemistry pump with exhaust condenser
- ⇒ Comprehensive list of rotors available and sold separately



### SpeedDry RVC 2-25 Advanced Package

Vacuum Concentrator

- PC 3001 Vario® select chemistry pumping Unit for automatic evaporation.
- System features automated boiling point detection and continuous optimisation of vacuum levels for fastest possible process times.
- Suitable for all samples types including high boiling point solvents

**CONTACT US FOR SPECIAL PRICING**

##### Specifications

- ⇒ Includes vacuum valve and PC3001 Vario Select chemistry pump
- ⇒ Comprehensive list of rotors available and sold separately



# END OF YEAR CLEARANCE



## Alpha 1-2 LSC Basic Package Freeze Dryer

- Small, powerful tabletop unit for efficient lyophilisation for everyday use – now with intuitive 5.7" colour touchscreen control.
- Suitable for aqueous samples in flasks and bottle containers
- Manual or automatic process continuation

**CONTACT US FOR SPECIAL PRICING**

- Specifications**
- 2 kg ice capacity
  - -55°C Condenser (3.5 L)
  - Complete Kit also Includes vacuum sensor & Vacuubrand RZ2.5 RVP



## Alpha 1-4 LSC Basic Package Freeze Dryer

- Universal benchtop laboratory freeze-dryer unit in a compact design for efficient lyophilisation of samples.
- Suitable for aqueous samples in flasks, bottle containers, trays or vial/tube racks on three unheated shelves

**CONTACT US FOR SPECIAL PRICING**

- Specifications**
- 4 kg ice capacity
  - -55°C Condenser (6.5 L)
  - Complete Kit including Vacuubrand RZ6 RVP with oil mist filter
  - Pressure control included for process optimisation



## Alpha 2-4 LSC Basic Package Freeze Dryer

- Universal benchtop laboratory freeze-dryer unit with drying manifold for eight attached sample flask containers.
- Suitable for solvent (or aqueous) based samples in flasks or bottle containers

**CONTACT US FOR SPECIAL PRICING**

- Specifications**
- 4 kg ice capacity
  - -85°C Condenser (6.5 L)
  - Vacuubrand RC6 Chemistry Hybrid Pump with oil mist filter
  - Pressure control included for process optimisation



## Alpha 3-4 LSC Solvent System Package Freeze Dryer

- Specialised laboratory solvent freeze dryer system with drying manifold for up to twelve attached sample flask containers, made entirely of stainless steel (316L)
- Condenser capacity: 4 kg (11L)
- Condenser temperature: -105 °C
- Pressure Control included for process optimization
- Pfeiffer HiScroll 12 ATEX dry scroll pump with capacitive vacuum sensor

**CONTACT US FOR SPECIAL PRICING**

- Specifications**
- 4 kg ice capacity
  - -105°C Condenser (11 L)



# END OF YEAR CLEARANCE

**huber**



3006.0089.98

## Minichiller 300 OLE

- Minichillers are a space-saving, low-cost and environmentally friendly cooling solution for numerous laboratory applications.
- By saving cooling water, Minichillers pay for themselves after only a short time.
- The units have small footprints, only requiring 225 x 360 mm on the laboratory bench and are therefore suitable for cooling reactor blocks, vacuum pumps, rotary evaporators or heat exchangers

**CONTACT US FOR SPECIAL PRICING**

### Specifications

- ⇒ Temperature range: -20...40 °C
- ⇒ Cooling capacity: 0.3KW @ 15°C
- ⇒ Mains voltage: 220-240V 1~/2~ 50/60Hz

**PFEIFFER VACUUM**



KSBA02A1MM9A

## ASM 340 D Leak Detector

- Leak detector with diaphragm pump, 3.4 m<sup>3</sup>/h backing pump capacity
- Completely oil free leak detection
- Ability to detect large leaks between 100hPa and the inlet test pressure
- Easy operation, intuitive menu and large detachable colour touch screen
- Complete range of accessories for even more convenient leak detection
- Wired or wireless remote control and sniffer probes available as accessories

**CONTACT US FOR SPECIAL PRICING**

### Specifications

- ⇒ 2.5 l/s helium pumping speed
- ⇒ Min detectable leakage rate for helium (sniffing leak detection) = 5 · 10<sup>-10</sup> Pa m<sup>3</sup>/s | 3.75 · 10<sup>-9</sup> Torr l/s | 5 · 10<sup>-9</sup> mbar l/s
- ⇒ Minimum detectable leakage rate for helium (vacuum leak detection) 1 · 10<sup>-13</sup> Pa m<sup>3</sup>/s

**PFEIFFER VACUUM**



## HiScroll® Dry Vacuum Pump

- The oil-free (dry) vacuum pumps
- High comfort, low noise level at 48 db (A), low vibration.
- Optimal process
- Lowest operating costs
- Compact design adaptation
- Safe operation
- Explosion-proof ATEX design

### Specifications

- ⇒ Pumping Speed = 6 m<sup>3</sup> / hr
- ⇒ Final Pressure = 1.5 x 10<sup>-2</sup> hPa
- PD 100 170 AT
- ⇒ Pumping Speed = 12.1 m<sup>3</sup> / hr
- ⇒ Final Pressure = 6 x 10<sup>-3</sup> hPa
- PD 100 171 AT
- ⇒ Pumping Speed = 18.1 m<sup>3</sup> / hr
- ⇒ Final Pressure = 6 x 10<sup>-3</sup> hPa
- PD 100 172 AT

**HiScroll 6**

**SPECIAL PRICE**

**HiScroll 12**

**SPECIAL PRICE**

**HiScroll 18**

**SPECIAL PRICE**

**PFEIFFER VACUUM**



## HiScroll® Intelligent Version

Features an integrated pressure sensor, that can manage different modes of operation. Speed Control, Pressure Control and Automatic Standby modes of operation are now possible. The HiScroll®'s adaptive fan control provides optimal cooling in all operating conditions and reduces noise emissions. Maintenance cycles can be significantly extended as the intelligent pressure and speed control reduces energy consumption, wear and tear as well as lower vibration and heat emission.

### Specifications

- ⇒ Pumping Speed = 6 m<sup>3</sup> / hr
- ⇒ Final Pressure = 1.5 x 10<sup>-2</sup> hPa
- PD 100 070 CT
- ⇒ Pumping Speed = 12.1 m<sup>3</sup> / hr
- ⇒ Final Pressure = 6 x 10<sup>-3</sup> hPa
- PD 100 071 CT
- ⇒ Pumping Speed = 18.1 m<sup>3</sup> / hr
- ⇒ Final Pressure = 6 x 10<sup>-3</sup> hPa
- PD 100 172 CT

**HiScroll 6**

**SPECIAL PRICE**

**HiScroll 12**

**SPECIAL PRICE**

**HiScroll 18**

**SPECIAL PRICE**



## END OF YEAR CLEARANCE



### HiCube® 80 ECO Turbo Pumping Station

The complete dry solution for high vacuum applications: compact, robust & high performance

- Modular turbopumping stations for all high vacuum and ultra-high vacuum applications
- Ideal adaption to all applications in high and ultra-high vacuum due to a modular design
- Powerful technology
- Maximum energy savings through intermittent operation of the backing pumps
- Connection option for pressure gauges
- Easy data collection and analysis

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Pumping speed for Nitrogen N<sub>2</sub>: 67 l/s
- ⇒ Flange: DN 63 CF-F
- ⇒ Ultimate Pressure: < 1 x 10<sup>-7</sup> mbar
- ⇒ Power Consumption: 270W



### HiPace® 80 NEO Package Turbo Molecular Pump, DN 63 CF-F

Includes:

- Display control unit inclusive power supply
- Connection cable, length: 3 m
- Air cooling

The new generation of HiPace® 80 turbopumps is equipped with new intelligence such as the internal real-time rotor temperature measurement. The HiPace® 80 Neo rotors are balanced with our patented innovative Laser Balancing™ technology, providing benefits such as the lowest vibration level, increased service interval and lowest noise emissions on the market.

**CONTACT US FOR SPECIAL PRICING**

#### Specifications

- ⇒ Pumping speed of up to 67 l/s for N<sub>2</sub>
- ⇒ TC 80 integrated electronic drive unit
- ⇒ For installation in any orientation
- ⇒ Ideal for dependable systems integration

## Service & Maintenance

Your work is vital and unexpected downtime is disruptive. Our goal is to help you eliminate downtime through rapid service response and tailor made preventative maintenance plans

Technical Customer Support | Service | Administration | Service Quality



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- Vacuum Concentrators
- Rotary Evaporators
- Magnetic Stirrer Hotplates

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