

Instrumentation & Equipment Sale





INSTRUMENTATION AND EQUIPMENT SALE

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!

Specifications

- ⇒ Ultimate vacuum: 2.0 mbar
- ⇒ Ultimate vacuum with gas ballast: 4 mbar
- ⇒ Max. pumping speed 50Hz: 2m³/h

VACUUBRAND®



20751000

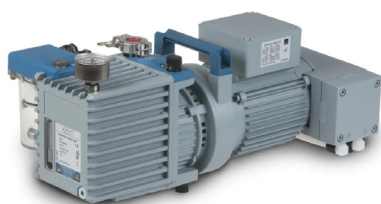
VACUU•PURE 10C Screw Pump

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. At the same time, aggressive gases and vapours 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.

Specifications

- ⇒ Ultimate vacuum: 5 x 10⁻³ mbar
- ⇒ Max. pumping speed 50 Hz: 9 m³/h

VACUUBRAND®



20798560

RC 6 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 optimised corrosion resistance. The diaphragm pump maintains the oil reservoir under vacuum in order to keep the partial pressures of solvent vapours at levels below their condensation points and to reduce largely the concentration of oxygen and corrosive gases.

Specifications

- ⇒ Ultimate vacuum: 2 x 10⁻³ mbar
- ⇒ Ultimate vacuum with gas ballast: 1 x 10⁻² mbar
- ⇒ Max. pumping speed 5.9 m³/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 vapours.

Specifications

- ⇒ Ultimate vacuum: 7 mbar
- ⇒ Ultimate vacuum with gas ballast: 12 mbar
- ⇒ Max. pumping speed 50 Hz 2 m³/h



INSTRUMENTATION AND EQUIPMENT SALE



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.



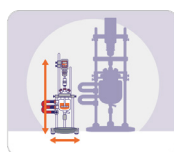
Findenser Super Air Condenser

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.



New Reactor-Ready Mini Jacketed Lab Reactor

Building on the success of the Reactor-Ready range, Reactor-Ready Mini is a compact, versatile jacketed lab reactor that brings the same flexibility and precision to smaller-scale chemistry - in a fraction of the space.



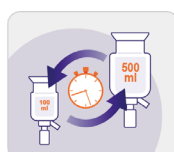
Small footprint, big performance



Scalable volumes from 50 to 500 ml



Precise control at a small scale



Rapid vessel exchange

Specifications

- ⇒ Temp. Control Range: -70 °C to +230 °C (Optional)
- ⇒ Overhead Stirrer Speed: 50 to 2000 rpm (Included)
- ⇒ Overall Dimensions: 270 x 339 x 824 mm (WxDxH)
- ⇒ Software Control (Optional)



Automate any Reactor with AVA Pad

Compact all-in-one reactor controller
 Featuring an intuitive graphical interface, you can connect up to 16 different devices and AVA software supports all leading manufacturers.

One software. Any Reactor. Effortless Automation
 Built for the way chemists work

With AVA Pad, you choose how to run your reactor:

Manual Control - adjust in real time with every change tracked automatically.

Schedule Control - automate from start to finish with ramps, plateaus, timed actions, and safety feedback loops.

Specifications

- ⇒ 10" touch screen
- ⇒ Suitable for single/dual reactor
- ⇒ Integrated connections include RS232, USB, ethernet, HDMI, temp sensors



INSTRUMENTATION AND EQUIPMENT SALE

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.



571-01310-05-0

Hei-VAP Core

Specifications

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



20733000

PC 101 NT Chemistry Pumping Unit

Specifications

- ⇒ Ultimate Vacuum: 7 mbar
- ⇒ Ultimate Vacuum with gas ballast: 12 mbar
- ⇒ Max. pumping speed 50Hz: 2 m³/h



3006.0089.98

Minichiller 300 OLE

Specifications

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



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.

Specifications

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



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



INSTRUMENTATION AND EQUIPMENT SALE

 **CHRIST**



MC1-2LSCPACK

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
- Equipped with environmentally friendly natural refrigerant

Specifications

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

 **CHRIST**



MC1-4LSCBASICPACK

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
- Equipped with environmentally friendly natural refrigerant

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

 **CHRIST**



MC2-4PACK

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
- Equipped with environmentally friendly natural refrigerant

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

 **CHRIST**



MC3102524

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)
- Pressure Control included for process optimisation
- Pfeiffer HiScroll 12 ATEX dry scroll pump with capacitive vacuum sensor
- Deep seated ice condenser for improved performance
- EPDM seal suitable for solvents
- Equipped with environmentally friendly natural refrigerant

Specifications

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



INSTRUMENTATION AND EQUIPMENT SALE

huber



3006.0089.98

Minichiller 300 OLÉ

- 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

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 m³/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

Specifications

- ⇒ 2.5 l/s helium pumping speed
- ⇒ Min detectable leakage rate for helium (sniffing leak detection) = 5 · 10⁻¹⁰ Pa m³/s | 3.75 · 10⁻⁹ Torr l/s | 5 · 10⁻⁹ mbar l/s
- ⇒ Minimum detectable leakage rate for helium (vacuum leak detection) 1 · 10⁻¹³ Pa m³/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 m³ / hr
- ⇒ Final Pressure = 1.5 x 10⁻² hPa
- PD 100 170 AT
- ⇒ Pumping Speed = 12.1 m³ / hr
- ⇒ Final Pressure = 6 x 10⁻³ hPa
- PD 100 171 AT
- ⇒ Pumping Speed = 18.1 m³ / hr
- ⇒ Final Pressure = 6 x 10⁻³ hPa
- PD 100 172 AT

PFEIFFER VACUUM



HiScroll® Intelligent Version

Features an integrated pressure sensor, that can manage different modes of operation - Speed Control, Pressure Control and Automatic Standby. 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 m³ / hr
- ⇒ Final Pressure = 1.5 x 10⁻² hPa
- PD 100 070 CT
- ⇒ Pumping Speed = 12.1 m³ / hr
- ⇒ Final Pressure = 6 x 10⁻³ hPa
- PD 100 071 CT
- ⇒ Pumping Speed = 18.1 m³ / hr
- ⇒ Final Pressure = 6 x 10⁻³ hPa
- PD 100 172 CT



INSTRUMENTATION AND EQUIPMENT SALE



HiCube® 80 NEO 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

Specifications

- ⇒ Pumping speed for Nitrogen N₂: 67 l/s
- ⇒ Flange: DN 63 CF-F
- ⇒ Ultimate Pressure: 1 x 10⁻⁸ mbar
- ⇒ Power Consumption: 205W



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.

Specifications

- ⇒ Pumping speed of up to 67 l/s for N₂
- ⇒ TC 80 integrated electronic drive unit
- ⇒ For installation in any orientation
- ⇒ Ideal for dependable systems integration

TECHNOLOGY HIGHLIGHT

G2V Optics

The Class A+AA Pico small-area LED solar simulator replicates world-class sunlight with no fragile bulbs or moving parts. It can replicate the standard AM1.5G and AM0 solar spectra with the click of a button.

Pico ships with a wavelength range of 350 nm - 1500nm and the Variable Control Module. The Variable Control Module allows to tune 32 channels and use G2V's Python API. Additionally, it includes the One-Click-Sun™ (beta) Software, which replicates sunlight based on geographic location, season, and time of day, and simulates day-night cycles. Optional modules (IV characterisation & Low Res EQE characterisation) and vertical stand are available for immediate purchase or at a later date.

- ☀ LED powered- Meaning no dimming, minimal warm-up times, no exploding bulbs or field calibrations.
- ☀ Air-cooled means no external cooling is needed.
- ☀ Software controlled- No physical filters to change the spectrum.
- ☀ Save recipes and replicate unique spectrums.
- ☀ Python API- Allowing for integration and automation
- ☀ CE|UKCA certified
- ☀ 2-year warranty



Applications include:

- ⇒ Photovoltaic Devices: thin-film technologies, single-junction GaAs, crystalline Si cells, emerging PV (perovskite, organic tandem, quantum dot cells)
- ⇒ Chemistry & material sciences/engineering
- ⇒ Weathering & Material testing
- ⇒ Smart Glass
- ⇒ Wearables
- ⇒ CubeSats & Aerospace



INSTRUMENTATION AND EQUIPMENT SALE



miVac2 Duo Concentrator

miVac2 Duo is compatible with a variety of sample formats including tubes, vials, centrifuge tubes, microplates, and more, making it an ideal "work-horse" concentrator.

- Heat and run timers ensure high-quality results each and every time
- Robust aluminum JetRotors improve speed and performance
- Flexible system and pump options- interchangeable aluminum rotor mean there's a solution for every application
- Options for the pressure controller and freeze-drying
- Rotors sold separately

Specifications

- ⇒ Max. Rotor Speed: 1465 or 1130 rpm
- ⇒ Temp. Control Range: 30 °C to 80 °C



EZ-2 4.0 Elite Centrifugal Evaporator Package

Suitable for solvents with boiling points up to 220 °C and lyophilising aqueous based samples

- Advanced temperature control and Dri-Pure® anti-bumping technology
- Touchscreen interface featuring more pre-set methods
- Able to accommodate any type of vial, tube, flask, 96-well plates and Genevac's SampleGenie™ flasks
- Fast freeze-drying and crystallisation capability with certain EZ-2 models
- Options for hydrochloric acid (HCl) resistance, Inert Gas Purge (IGP), and eXalt™ controlled crystallisation

Specifications

- ⇒ Max. Rotor Speed: 1920 rpm
- ⇒ Temp. Control Range: 30 °C to 80 °C
- ⇒ Max. Solvent Capacity: 750 mL
- ⇒ Rotor Positions: 2



HT Series 3i Centrifugal Evaporator

For a limited time, packages include free of charge one full set of swing and sample holder per equipment purchase

The ideal solution for parallel evaporation bottlenecks, suitable for high sample capacities, increasing productivity. With two different models, the HT-6 and HT-12, to accommodate various throughputs, built-in Dri-Pure® anti-bumping technology, a high-performance vacuum pump, and touchscreen technology, makes evaporation process effortless.

- Intuitive touchscreen controls- "Press & Go" feature with simplified manual and automatic programming
- SampleGuard™ temperature control that protects samples from over-heating to give peace of mind

Specifications

- ⇒ Max. Rotor Speed: 1920 rpm
- ⇒ Temp. Control Range: 30 °C to 80 °C
- ⇒ Max. Solvent Capacity: 750 mL
- ⇒ Rotor Positions: 2

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

Instrument Health Check Voucher

This voucher entitles the holder to a free, onsite instrument health check valued at \$350.

Team up with your colleagues for a health check on more than one instrument in various laboratories! Scitek also provides free training sessions for departments, or facility-wide health check events. Scan the QR code to book a health check on any;

- Vacuum Pumps
- Vacuum Gauges
- Chillers
- Thermoregulators
- Overhead Stirrers
- Freeze Dryers
- Vacuum Concentrators
- Rotary Evaporators
- Magnetic Stirrer Hotplates

Claim Your Voucher

