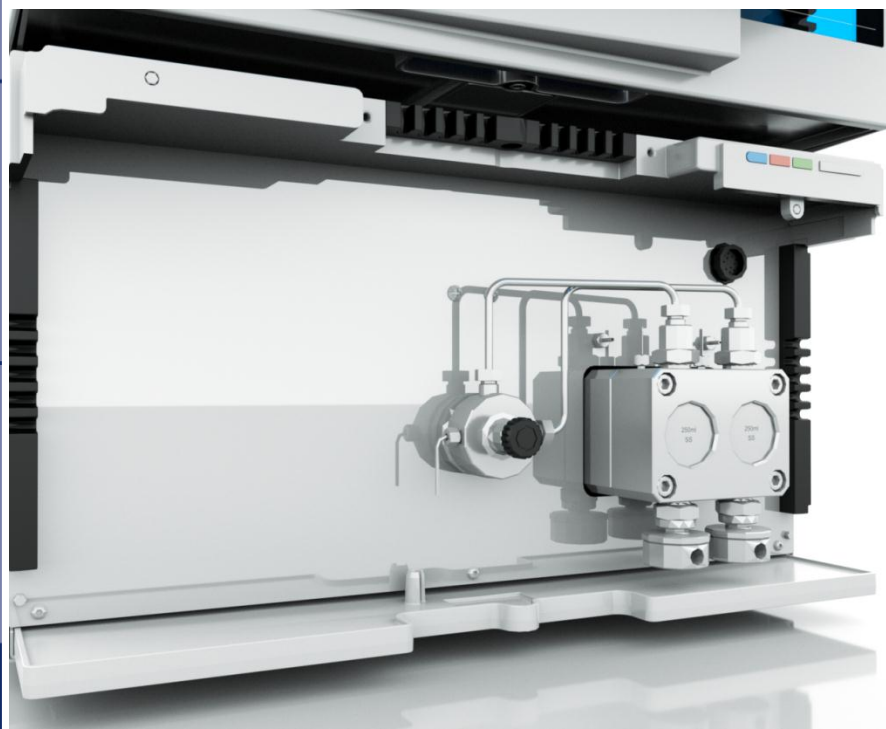

Aurora

Which flow rates do you apply for preparative separations?



Stay flexible with *Azura* preparative HPLC!

- ▶ Flow rates from 0.1 up to 1000 ml/min applicable
- ▶ Still 400 bar max. pressure at 100 ml/min





KNAUER presents:

our new product line

Azura



Azura Preparative HPLC



- ▶ Preparative pump
- ▶ UV/Vis detector
- ▶ ASM 2.1L

Pump P 2.1L

- ▶ Integrated leak management with sensor
- ▶ RFID detection for pump heads
- ▶ Constant pressure mode
- ▶ Improved pulsation dampening algorithm



Pump P 2.1L

- ▶ Control via Ethernet and RS-232
- ▶ Convenient control via touch screen



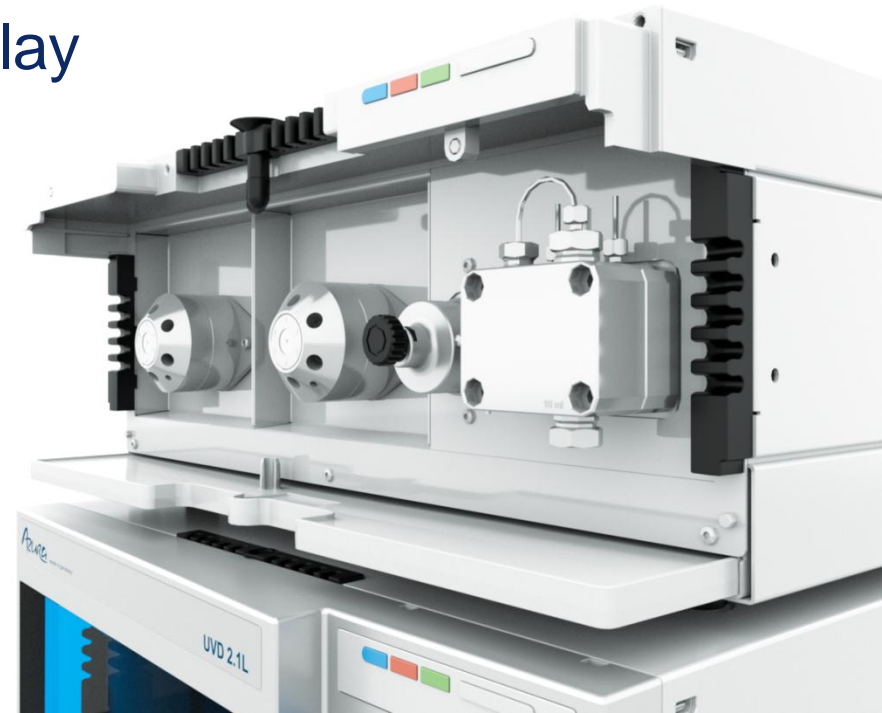
ASM 2.1L

- ▶ All modules located at the front
- ▶ Free customizable
- ▶ Only one interface for controlling all integrated modules



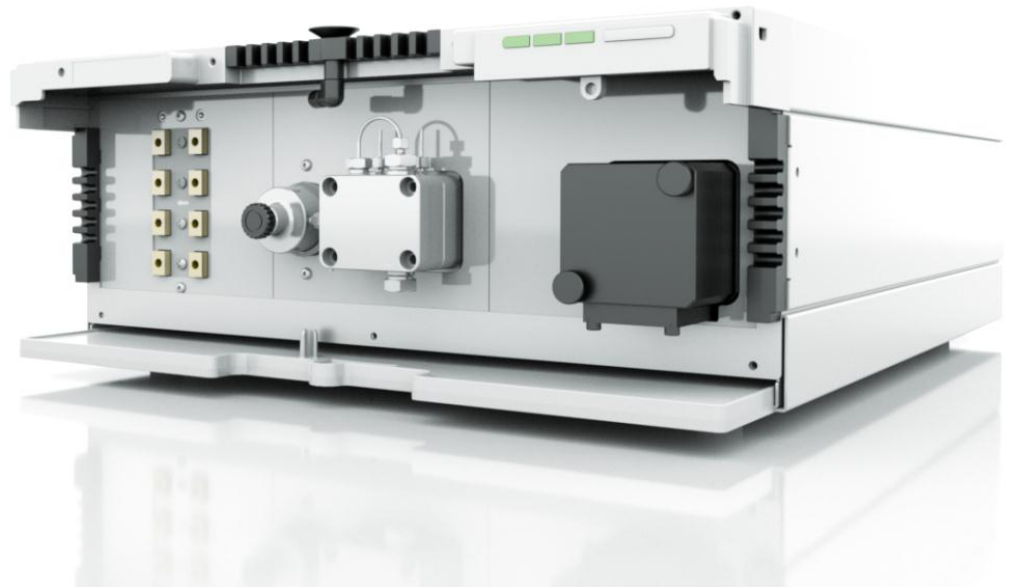
ASM 2.1L

- ▶ Prep LC: Pump, injection valve and fraction collector valve
- ▶ All integrated instruments can be controlled with optional display
- ▶ Control via Ethernet



ASM 2.1L

- ▶ Higher versatility due to more supported micro modules
- ▶ ASM 2.1L can be now equipped with degasser module
- ▶ Integration of *Vici/Valco* valve drives is supported



Detector UVD 2.1L

- ▶ Cost effective single wavelength detector
- ▶ Also as fibre optics version
- ▶ 80 Hz via LAN
- ▶ 190-750 nm



Detector UVD 2.1L

- ▶ Optional tungsten halogen lamp (400-1020 nm)
- ▶ Integrated leak sensor
- ▶ Various flow cells
- ▶ Special cells for high flow rates
- ▶ Available also with certificates



Eluent tray E 2.1L

- ▶ Large capacity for up to 6x1000 ml bottles
- ▶ Inner section can be easily removed for cleaning
- ▶ Integrated drain outlet
- ▶ Front can be removed for easy installation of tubings

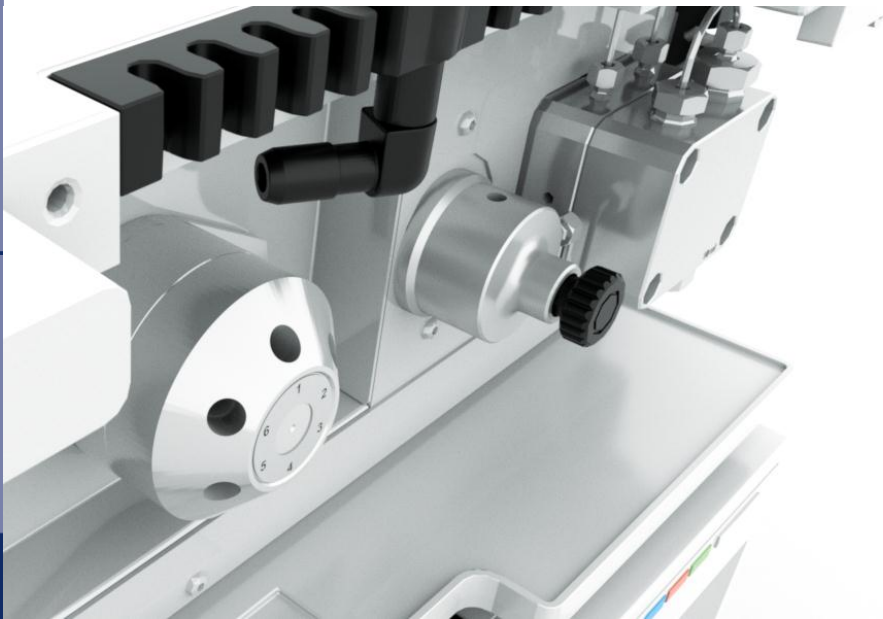


**What kind of functions are you
looking for in your
preparative HPLC?**



Handling large sample volumes

- ▶ A feed pump facilitates handling of large sample volumes
- ▶ Sample can be injected via sample loop or directly onto the column

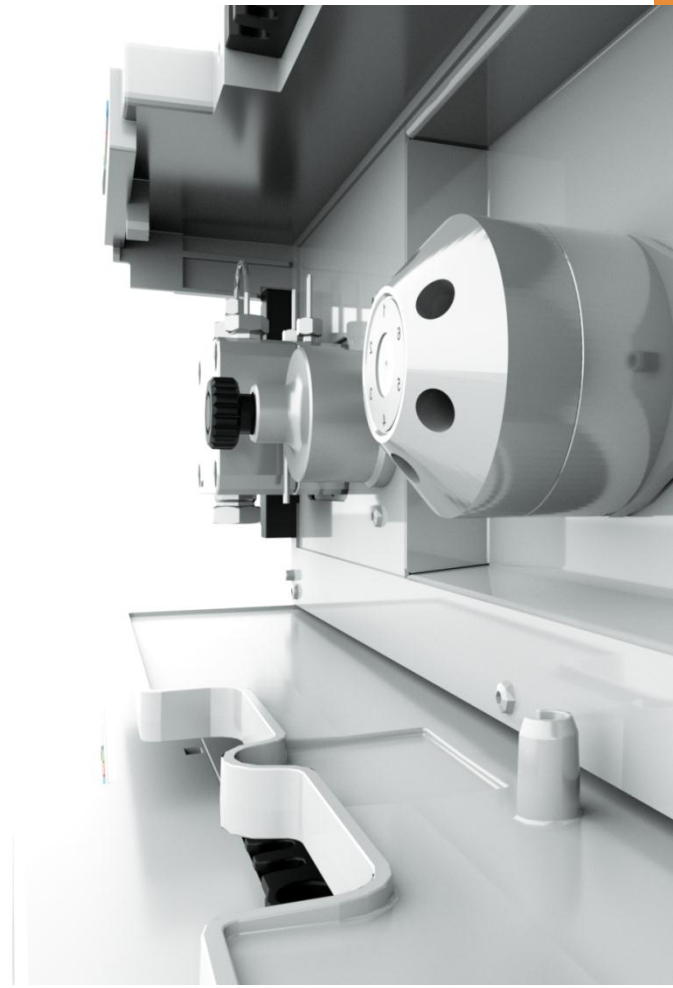


Peak/Solvent recycling

- ▶ Solvent recycling reduces solvent consumption at high flow rates
- ▶ Peak recycling leads to improved separation of suboptimally separated peaks

Fraction collection

- ▶ A fractionation valve enables sample fractionation without an additional fraction collector.



Do you want to know more about *Azura*?

- ▶ Simply elegant design
- ▶ User friendly handling
- ▶ Advanced safety aspects
- ▶ Intuitive control
- ▶ All products „Made in Germany“

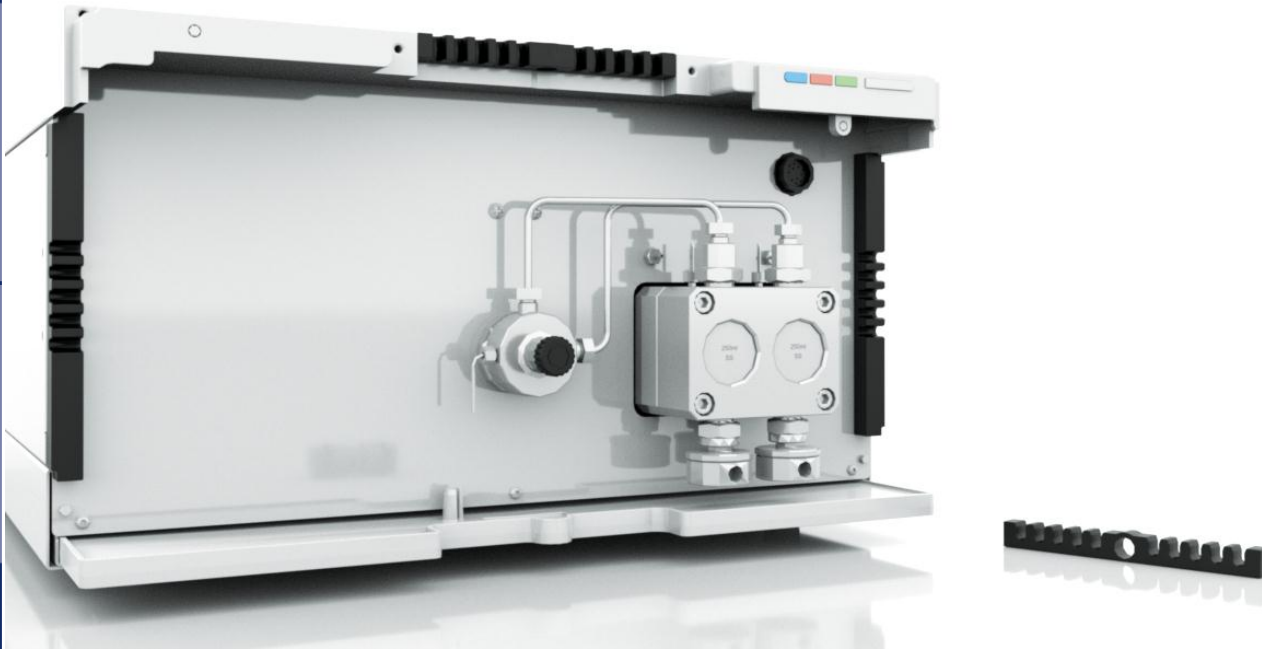
Design

- ▶ Timeless, elegant with high-quality appearance
- ▶ Exchangeable colored side panels



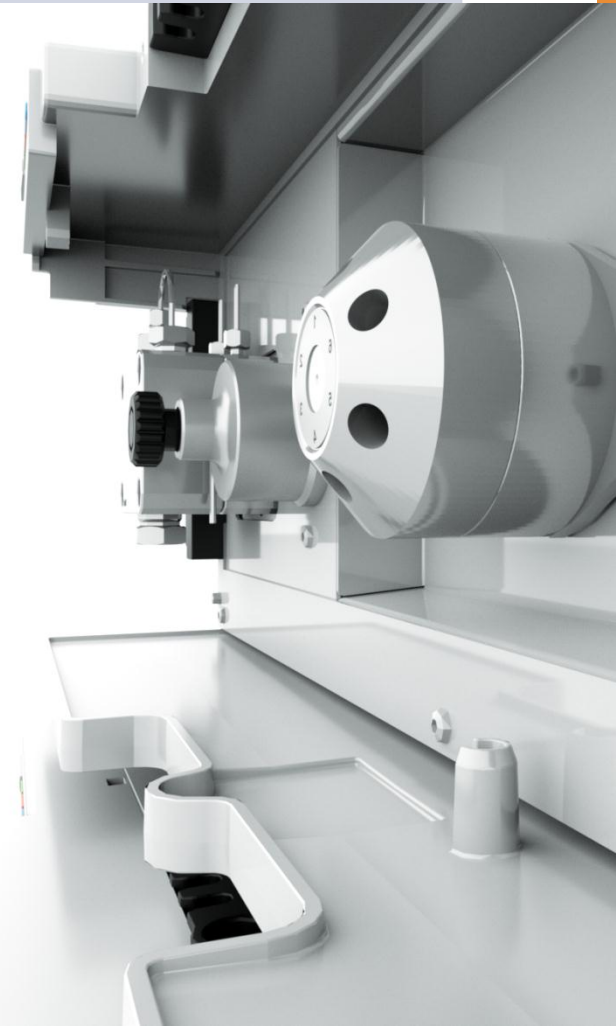
User friendly handling

- ▶ Removable front for easy access to functional modules
- ▶ Integrated guides for 1/16" capillaries and 1/8" tubing's



Advanced safety aspects

- ▶ Leakage tray for collecting liquids
- ▶ Each device is equipped with a leak sensor that stops the system as soon liquid is detected.



Intuitive control

- ▶ Control Unit with touch screen interface
- ▶ Demountable and for handheld control optimized
- ▶ Available as an option



**Are you satisfied with
your HPLC software?**



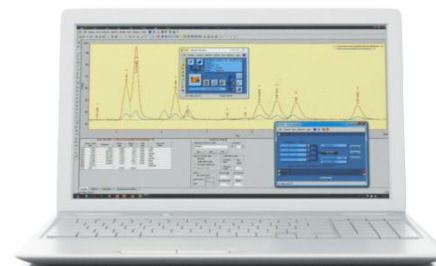
Software option: Chromgate

- ▶ Full-featured preparative chromatography software
- ▶ Valuable tools for detector controlled fraction collector
- ▶ Exclusive FRC options
- ▶ Peak and solvent recycling
- ▶ Stacked Injection



Software option: ClarityChrom

- ▶ Cost effective software solution for automated LC purification tasks
- ▶ Allows peak recognition by level, slope, or level and/or slope



Mission statement

Our passion: liquid chromatography.

Our driving force: pure curiosity.

Sophisticated and eco-friendly solutions supporting customers worldwide.

Craftsmanship and innovation. Experience and enthusiasm.

Knauer, a modern German family business – 50 years of knowing how.



KNAUER Berlin, Germany



For further information visit our website
www.knauer.net