LC Docking station
for pumps, valves and detectors

With more than 4000 module combinations you will find the perfect configuration for your LC. The docking station can be customized with up to three compact devices. Choose the properties you want to get your perfect Assistant ASM 2.2L for chromatography and beyond.

Pumps

Choose from 15 different pumps with 10 or 50 ml pump heads and with or without pressure sensor. The material used is stainless steel, ceramic or Hastelloy C (for pumps without pressure sensors only).

Valve drive

The universal valve drive identifies valves via RFID technology and enables to read GLP data. All V 4.1 valves, independent of number of ports and position, are supported.

UV detectors

The compact single wavelength UV detector is available in a basic and fibre optics version. The wavelength can be set between 190 - 500 nm.

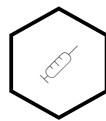Freely combine pumps, valves and detectors in one housing

Contact us

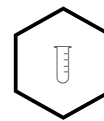Eluent delivery   Detection   Sample injection   Fraction collection

Sample, eluent &
column selection

Combine three plug-in LC modules in one housing

The plug-in modules can be easily removed by loosening four screws allowing the user to exchange modules in case of service within minutes. Likewise, the configuration of the LC system can be adapted to new requirements. Routine maintenance work e.g. replacing the lamp of a detector are easily performed by the user.

Depending on the integrated modules the ASM 2.2L fulfills many different tasks like eluent delivery, detection, sample and solvent selection, sample injection, column switching or fraction collection. An assistant including a pump, injection valve, and detector features a complete, compact

chromatographic system. As a part of a larger system, the ASM 2.2L is extremely versatile in analytical, preparative and continuous liquid chromatography.

Configurator

AVAILABLE PLUG-IN MODULES

Valve drive

Universal valve drive with RFID-technology
Controls all V 4.1 valves

UV detectors

Variable single wavelength UV detector
190 - 500 nm

Pumps

Compact pumps with or without pressure sensor
10 or 50 ml pump head

10 or 50 ml pump head
Stainless steel, ceramic,
Hastelloy C

> **See valve drive** > **See detectors** > **See pumps**

Configure your LC Assistant

How to find your desired plug-in module combination?

AZURA Assistant ASM 2.2L

▶

The Assistant ASM 2.2L can be equipped with three plug-in modules. Use the assistant configurator to find your desired module combination. Select your plug-in modules for the left, middle and right position in the assistant and get your perfect assistant for chromatography and beyond.

Configuration note
Assistants with following configuration are not allowed:
1) more than two pump modules - a high-pressure gradient is

not support
2) more than one UV detector
3) without plug-in modules

Configurator

That's what the users say

★★★★★

" SMB chromatography is a HPLC technique for the separation of binary mixtures with high productivity and purity. The LC device dock is an appropriate footprint to favorably arrange the pumps and valves in accordance with the SMB process. Second advantage: SMB chromatography stands for a continuous process. The concept of plug-in modules guarantees short maintenance breaks. Since only a small part of the complex capillary construction has to be removed for the replacement of a module in case of service, the downtime of the system is reduced. An obvious benefit is the low space required for the high number of integrated devices."

Dr. Paul Pietsch, SMB Specialist

VALVE DRIVE

Universal valve drive for ASM 2.2L

Assistant module VU 4.1 for valves V 4.1

> **Read more**

UV DETECTORS

Compact variable single wavelength UV detector for ASM 2.2L

Compact variable single wavelength UV detector with fiber optics for ASM 2.2L

Assistant module UVD 2.1S without flow cell

Assistant module UVD 2.1S fiber optics version without flow cell

〉 **Read more**

〉 **Read more**

PUMPS WITH PRESSURE SENSOR

Compact

Compact

Compact

Compact

Compact

Co

pump with pressure sensor, 10 ml/min stainless steel pump head for ASM 2.2L

Assistant module P 4.1S, 10 ml, stainless steel

> **Read more**

pump with pressure sensor, 10 ml/min ceramic pump head for ASM 2.2L

Assistant module P 4.1S, 10 ml, ceramic

> **Read more**

pump with pressure sensor, 10 ml/min stainless steel pump head for normal phase for ASM 2.2L

Assistant module P 4.1S, 10 ml, stainless steel, normal phase

> **Read more**

pump with pressure sensor, 50 ml/min stainless steel pump head for ASM 2.2L

Assistant module P 4.1S, 50 ml, stainless steel

> **Read more**

pump with pressure sensor, 50 ml/min ceramic pump head for ASM 2.2L

Assistant module P 4.1S, 50 ml, ceramic

> **Read more**

pump with pressure sensor, 50 ml/min stainless steel pump head for normal phase for ASM 2.2L

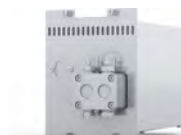Assistant module P 4.1S, 50 ml, stainless steel, normal phase

>

PUMPS WITHOUT PRESSURE SENSOR

Compact pump with 10 ml/min stainless steel pump head for ASM 2.2L

Compact pump with 10 ml/min ceramic pump head for ASM 2.2L
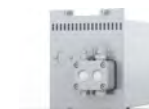

Compact pump with 10 ml/min Hastelloy® C pump head for ASM 2.2L

Assistant

Compact pump with 50 ml/min stainless steel pump head for ASM 2.2L

Compact pump with 50 ml/min ceramic pump head for ASM 2.2L

Assistant
module P
2.1S, 10
ml,
stainless
steel

Assistant
module P
2.1S, 10
ml,
ceramic

module P
2.1S, 10 ml,
Hastelloy®
C

Assistant
module P
2.1S, 50
ml,
stainless
steel

Assistant
module P
2.1S, 50
ml,
ceramic

> **Read more**

> **Read more**

> **Read more**

> **Read more**

> **Read more**

SLOTS WITH NO PLUG-IN MODULES

Empty module for ASM 2.2L

Cover plate for slots without an assistant module

> **Read more**

Column holder for ASM 2.2L

Column holder for slots without an plug-in module

> **Read more**

ACCESSORIES

Display software for AZURA devices without data acquisition incl. tablet
Mobile Control without data acquisition including tablet and mount

Article No.: A9607

Display software for AZURA devices with data acquisition incl. tablet
Mobile Control Chrom with data acquisition including tablet and mount

Article No.: A9608

DETAILED INFORMATION

AZURA Assistant ASM 2.2L Instructions (V6803)

Manual   English

AZURA Assistent ASM 2.2L Betriebsanleitung (V6803)

Manual   German

AZURA Assistant ASM 2.2L Consignes (V6803)

Manual   French

List of supported devices in chromatography data systems EN (V1663)
Device support in KNAUER CDS / KNAUER device support in 3rd party software

Information   English

Configure your LC Assistant
How to find your desired plug-in module combination?

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Configuration note
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1) more than two pump modules - a high-pressure gradient is not support
2) more than one UV detector
3) without plug-in modules

Previous version: ASM 2.1 L

Here, you will find all information about the LC Assistant ASM 2.1L.

Go to ASM 2.1L