Science with Passion

KNAUER

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1.   Supported Instruments

Pumps
- AZURA Pumps P 2.1S/P 4.1S/P 4.2S (only in P 4.1S control mode)
- AZURA Pumps P 6.1L
- AZURA Pump P 2.1L
- BlueShadow Pump 80P

Detectors
- AZURA UV-Detector UVD 2.1S
- AZURA UV-Detector UVD 2.1L
- AZURA UV-Detector UV MWD 2.1L (4 channels, up to 50 Hz)
- AZURA Diode Array Detector DAD 2.1L
- AZURA Diode Array Detector DAD 6.1L
- AZURA Refractive Index Detector RID 2.1L
- AZURA Conductivity Detector CM 2.1S
- AZURA pH Monitor pH 2.1S
- BlueShadow 50D
- Mikron 81

Flowmeter

- Bronkhorst Mini Cori-Flow M12, M13, M14

Valves
- AZURA Valve Drives V2.1S, VU4.1
- VICI Valco Drives

Fraction Collectors
- ISCO Foxy R1
- ISCO Foxy R2
- LABOCOL Vario-4000, Vario-4000 Plus
- Fraction Collector FC6.1

Autosampler
- AZURA AS 6.1L

Heating Devices
- SCPA Eluentheater
- AZURA CT 2.1

Interfaces
- Interface Box IFU 2.1 LAN (Analog Inputs only)
- SCPA Ethernet Eventbox

Assistants
- AZURA ASM 2.1L
- AZURA ASM 2.2L

Miscellaneous
- SCPA External Pressure Sensors
- Gameport Adapter

2. Installation Requirements

Operating Systems	Windows 10 64 Bit Windows 11
CPU/RAM/Disc Space	Intel Core i5 6th Generation or comparable/ 8 GB/ Disc Space 10GB
Network	Second network card is required for network integration
Graphics	Screen with minimal resolution 1024 x 768
Connectors and Slots	USB for license dongle COM, USB or LAN according to connected instruments
Input Device	Mouse and Keyboard

Language Selection

PurityChrom 6 is available in English.

Installation and use under Windows:

Administrator rights are necessary during installation of PurityChrom 6 and the Windows User Account Control settings should be set to "Never notify" in order to deactivate the User Account Control. It may be re-activated after the installation.

The user needs write and read permission for registry and folders C:\ProgramData\PurityChrom6 and C:\Program\PurityChrom6.

PurityChrom 6 needs to be excluded from Microsoft Security Essentials. Furthermore, the Windows Defender and antivirus software should be deactivated.

Energy Saving Features

Automatic switching to energy saving mode or hibernating has to be disabled i.e. settings for "Turn Off Hardware", "Turn off Computer" or "System Standby" must be set to "Never" in the control panels energy options.

3. Release History

In the latest version R2-20, the following changes and improvements have been added or bugs have been fixed from version R2-2:

- Bug Fix: local time used in PDF Printout and csv export.
- Bug Fix: P 2.1S pump type recognized.
- Bug Fix: AS 6.1L injection in prep Mode allows volume bigger than half the loop volume.
- Bug Fix: VU 4.1 Send Remote after connection loss.

- New supported devices:
    - o Fraction Collector FC 6.1

- New features:
    - o Additional user rights for the Purification Window implemented (Can Continue/Can Emergency Pause/Can Load Method/Can Pause/Can Skip/Can Start/Can Stop All)
    - o Document notifications in general audit trail (Configuration specific)
    - o Bronkhorst Flowmeter: Negative Values displayed.