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Version:	1.1	Autor:	PP	Datum	26.08.2020

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1. Supported Instruments

Pumps

- AZURA Pumps P 2.1S/P 4.1S
- AZURA Pump P 2.1L
- Smartline Pump 1800
- BlueShadow Pumps 80 P

Detectors (control and digital data acquisition)

- AZURA UV-Detector UVD 2.1S
- AZURA UV-Detector UVD 2.1L
- AZURA RID 2.1L (up to 2 Hz)
- AZURA Conductivity Detector CM 2.1S

Valves

- VICI Multiposition Valves (8 Positions)
- KNAUER Valve Drive 4.1 with 8-Multiposition valves

Column ovens

- Memmert Oven UN55 and UF55

Flowmeter

- Bronkhorst Mini Cori-Flow M12, M13, M14

Assistant

- ASM 2.1L (ASM is not supported as device; the included modules can be controlled as separate devices via IP port)
- ASM 2.2L (ASM is not supported as device; the included modules can be controlled as separate devices via IP port)

2. Installation Requirements

Operating Systems	Windows 10 Only English and German as operating system languages are tested and supported.
CPU/Memory	Pentium III or higher with at least 1 GHz at least 512 MB RAM (Windows XP) and 2 GB (Windows Vista and higher)
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

Language Selection

PurityChrom MCC is available in English and German. Some Error messages and notifications may be displayed in English regardless of the language selection.

Installation and use under Windows:

Installation of PurityChrom MCC in directories under C:\Windows\Program Files (or C:\Windows\Programme) is **NOT** recommended as write access may be limited by the windows user administration in these directories. Please use installation paths like C:\PurityChrom or D:\PurityChrom.

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Administrator rights are necessary during installation of PurityChrom 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:\Windows, C:\Puritychrom.

PurityChrom needs to be excluded from Microsoft Security Essentials. Furthermore, the Windows Defender

and antivirus software should be deactivated.

Start PurityChrom MCC as an administrator.

Go to C:\PurityChrom and right-click the PurityChrom.exe to open the properties. Go to compatibility and check “Run this program in compatibility mode for” and choose “Windows Vista (Service Pack 2)”. After this, check “Run this program as an administrator”. Click “Apply” and “Ok”, then close the window.

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

The latest Version 5.9.44.

The following changes and improvements have been added or bugs have been fixed from version 5.9.39: Changes in version 5.9.44:

- implementation of adjusting the ADJ values for the pumps 4.1S in the setup
- bug-fix to perform the Software OQ
- bug-fix data channel view after stop and restart of method
- bug-fix valve switching time