



# S6000 PLUS UHPLC

## Quaternary System Specification



## System Parameter

Operating temperature and humidity conditions	4-35 °C, 20-85%
Total system delay volume	<1200μl
Gradient delay volume	700μl
Safety alarm and waste management	Liquid leakage alarm, overpressure protection, centralized waste management
PH range	2-12
System maximum operating pressure	70MPa
Flow rate range	0.001-10.000ml/min

## Quaternary solvent manager

Solvent channels	4 solvent channels
Degassing	5-channel vacuum degasser
Gradient mixing mode	Quad. low-pressure gradient, high-frequency mixing mode (HFM)
Check valve	Double ball passive check valve
Flow rate accuracy	≤± 0.5%
Flow rate precision	≤ 0.05% RSD
Mixing accuracy	≤± 0.5%
Mixed precision	≤ 0.15% RSD
Pump seal wash	Independent automatic seal wash
Purge	Manual purge, automatic purge (optional)
Main contact materials	316L stainless steel, ceramics, fluoropolymers, Carbon containing PTFE, corundum

## Sample manager

Injection volume range	0.1-35 $\mu$ l. Scalable to 100 $\mu$ l
Sample capacity	120 (standard), ANSI compatible trays $\times$ 2
Sample Temperature Range of setting	1 $^{\circ}$ C (R.T.-24 $^{\circ}$ C) -45 $^{\circ}$ C, or no temperature control
Temperature accuracy	$\pm$ 1 $^{\circ}$ C
Sampler Needle Wash	Automatic, single channel
Injection precision	<0.2% RSD
Carryover	$\leq$ 0.002%
Injection mode	Direct injection (Flow-Through Needle)
Main contact materials	316L stainless steel, PPS, fluoropolymer, PEEK and PEEK blends

## Column manager

Column capacity and selection	30cm $\times$ 3, switching valve (optional)
Temperature range of setting	1 $^{\circ}$ C - 90 $^{\circ}$ C (1 $^{\circ}$ C step)
Temperature accuracy	$\pm$ 1 $^{\circ}$ C
Solvent pre-heating mode	Passive Pre-Heating
temperature control	Peltier + air circulation

## Instrument control

Informatics software	Chromloong® software, Third-party software*
Communication	Ethernet
Maintenance software	Independent maintenance software
Input / output	Trigger & Switch, time event, error event, etc.

\*Please contact the local representative of Acchrom Tech to determine the software support policy in your country and region

## Electrical specifications

Quaternary solvent manager unit	100-240VAC ± 10%, 50-60Hz, 150W
Flow through needle sample manager unit	100-240VAC ± 10%, 50-60Hz, 250W
Column manager unit	100-240VAC ± 10%, 50-60Hz, 230W

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Document # MDS010201EN ReV01

