



S6000 HPLC

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	45MPa, 62MPa
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	Automatic or independent automatic seal wash
Prurge	Manual purge, automatic purge (optional)
Main contact materials	316L stainless steel, ceramics, fluoropolymers, Carbon containing PTFE, corundum



Sample manager

Injection volume range	0.1-100 µl. Scalable to 1000µl
Sample capacity	120 (standard), ANSI compatible trays × 2
Sample Temperature Range of setting	1 °C (R.T.-24 °C) -45 °C, or no temperature control
Temperature accuracy	± 1 °C
Sampler Needle Wash	Automatic, single channel
Injection precision	<0.25% RSD
Carryover	≤ 0.003%
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 × 3, switching valve (optional)
Temperature range of setting	1 °C - 90 °C (1 °C step)
Temperature accuracy	± 1 °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

Acchrom Technologies Co., Ltd

Address: No. 6, Yanqi South 4th Street, Yanqi Economic Development Zone, Huairou District, Beijing

Website: <http://www.acchrom-tech.com>

Tel: 400-108-7908

For business cooperation outside of China, please Contact:

Pantao@acchrom-tech.com



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