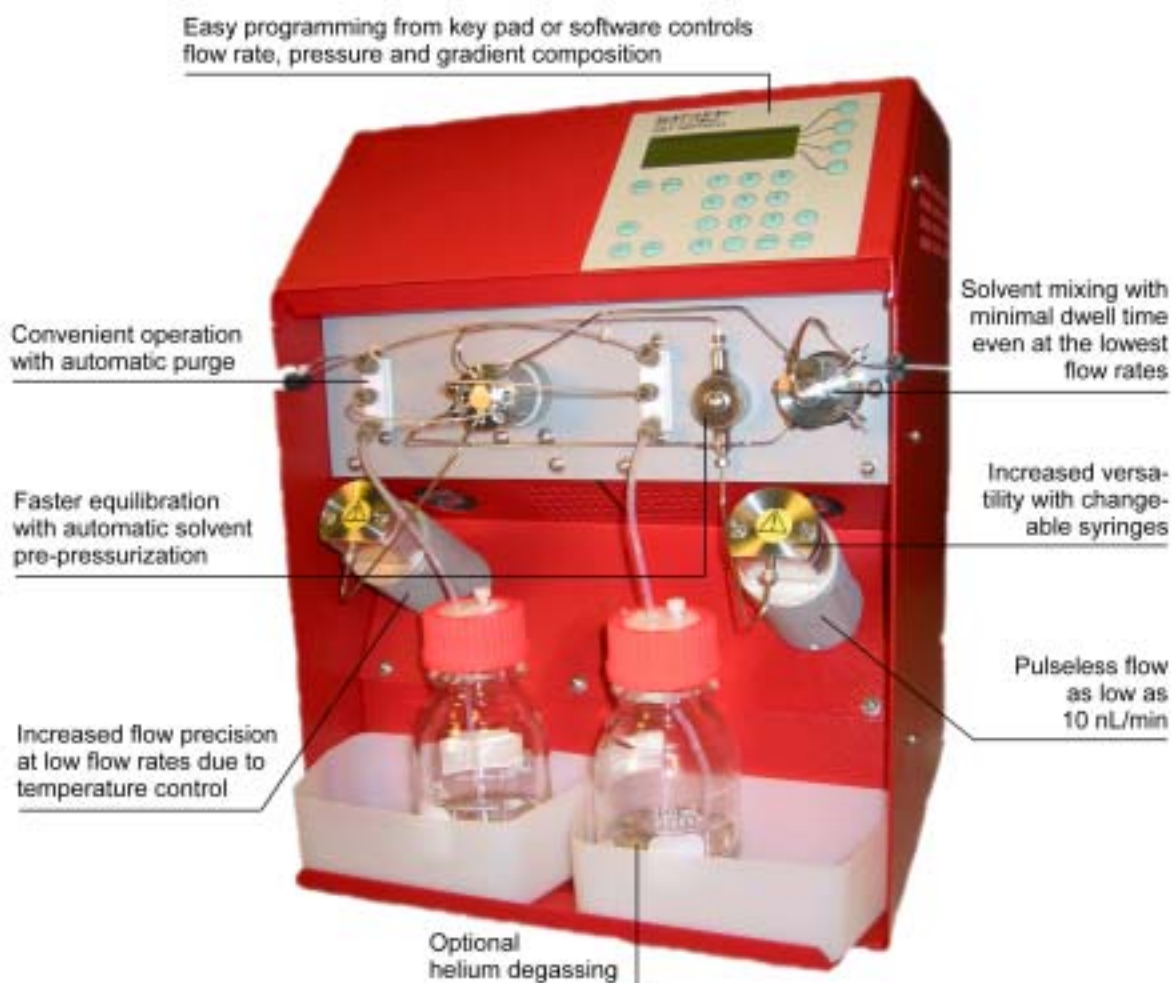


HotSep[®] HSP-2 PRO

Splitless binary gradient pump for capillary and nano-HPLC

- Pulseless, reproducible isocratic flows from 10 nL/min to 10 μ L/min
- Pulseless, reproducible binary gradient flows from 300 nL/min (5-95% B)
- No flow-splitting, giving reduced organic solvent consumption
- Modular design, suitable for applications including capillary- and nano-HPLC, LC-ESI-MS, bio-separations, FIA, etc...
- Integrated design for minimized system volumes



HSP-2 PRO: A New Low In Micro Flow

The HotSep[®] HSP-2 Pro pump achieves precise, pulseless fluid delivery at very low flow rates. By taking a system wide approach to developing the micro-pump, we have been able to produce a fully integrated pumping system, incorporating aspects critical to low flow rate work such as temperature control and minimized dead volume. The HotSep[®] micro-HPLC pump is capable of delivering flow rates as low as 10 nL/min in isocratic mode and as low as 1 μ L/min in gradient mode. Furthermore, when applying gradients within the range of 5-95% B, the pump is capable of delivering gradient flow rates as low as 300 nL/min. Equipped with an ultra-low dead volume mixer (< 0.2 μ L), the HSP-2 PRO is ideal for solvent delivery in gradient nano- and capillary HPLC applications, e.g., peptide mapping by nano-LC-ESI-MS.

Pulseless Flow

One of the key advantages of the HotSep[®] HSP-2 Pro pump's syringe-based design is the ability to deliver flow without pulsation. Consequently, detector sensitivity can be increased for trace-level detection. The optimized syringe sizes and micro-stepping stepper motor (each micro-step is equivalent to 0.1 nL) result in unmatched flow reproducibility even at exceptionally low flow rates.

Advanced pre-pressurization, versatile flow programming

The HotSep[®] HSP-2 Pro utilizes advanced software, which automatically and rapidly ramps to the operating pressure at the entered flow rate. Ramping flows is as simple as entering two end points. The HotSep[®] HSP-2 Pro can also be programmed to run in the constant pressure mode instead of the constant flow mode, or even programmed to generate pressure gradients.

Temperature Control

At extremely low flow rates, small variations in temperature can dramatically affect flow stability.

For this reason, the HotSep[®] HSP-2 Pro has optional temperature control of the syringe(s) which is strongly recommended when the highest level of precision is required.

Accurate and reproducible gradients

The HotSep[®] HSP-2 Pro ensures accurate and reproducible binary gradients. The design of conventional pumping systems limits their ability to generate gradients at very low flow rates. The HotSep[®] HSP-2 Pro is designed specifically for low flow rates, utilizing optimized syringe sizes and mixer, resulting in precise gradients with low dwell time. A specially designed static micro-mixer assures proper mixing throughout the range of gradient flow rates. The mixer works with most common hydroorganic solvents (i.e., acetonitrile/water or methanol/water), but please keep in mind that care should be taken when applying solvents that do not easily mix.

Other application areas

The HotSep[®] HSP-2 Pro can also be used for non-chromatographic applications, e.g., as a feeding pump in FIA or ESI-MS applications. Moreover, a single HotSep[®] HSP-2 Pro can control up to three other HSP-2 Pro pumps, whether for purposes of running gradients, for operating the pumps in multi-independent mode, or for operating the pumps in reciprocating mode. For isocratic flow applications only, the pump is available with a less expensive single syringe configuration. Please contact us for further information.

NANO/CAPILLARY HPLC PUMP

Precise fluid delivery at extremely low flow rates

The HotSep® HSP-2 Pro ensures accurate and reproducible binary gradients. The design of conventional pumping systems limits their ability to generate gradients at very low flow rates. The HotSep® HSP-2 Pro is designed specifically for low flow rates, utilizing optimized syringe sizes and mixer, resulting in precise gradients with low dwell time. A specially designed static micro-mixer

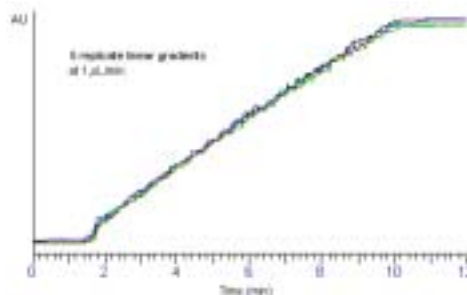
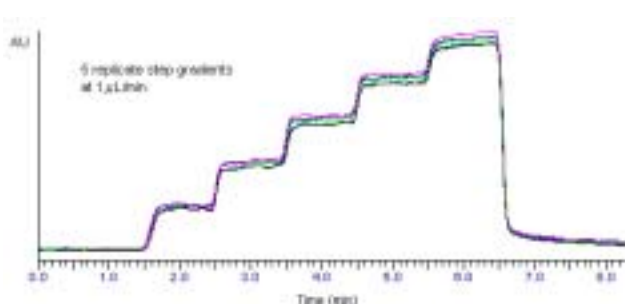
assures proper mixing throughout the range of gradient flow rates. The mixer works with most common hydro-organic solvents (i.e., acetonitrile/water or methanol/water), but please keep in mind that care should be taken when applying solvents that do not easily mix.

Superior non-splitting gradient stability at extremely low flow rates

Solvent A: water
Solvent B: 2% acetone in water
Gradient: see table
Flow: 1 µL/min

Time	% B	Time	% B
0	0	4.00	60
1.00	0	4.01	80
1.01	20	5.00	80
2.00	20	5.01	100
2.01	40	6.00	100
3.00	40	6.01	0
3.01	60		

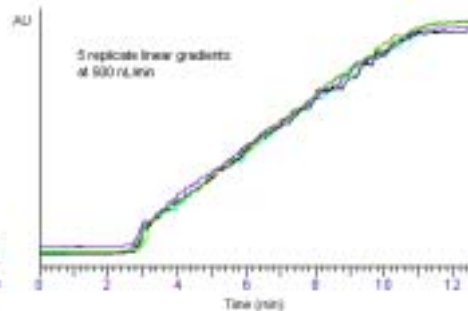
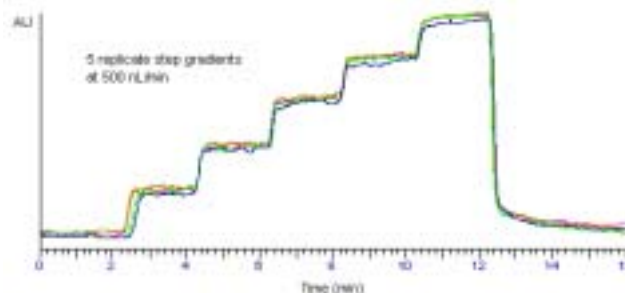
Solvent A: water
Solvent B: 2% acetone in water
Gradient: 0% B for 1 min, then 0-100% B in 9 min
Flow: 1 µL/min



Solvent A: water
Solvent B: 2% acetone in water
Gradient: see table
Flow: 500 nL/min

Time	% B	Time	% B
0	2	7.00	60
1.00	2	7.01	80
1.01	20	9.00	80
3.00	20	9.01	98
3.01	40	11.00	98
5.00	40	11.01	2
5.01	60		

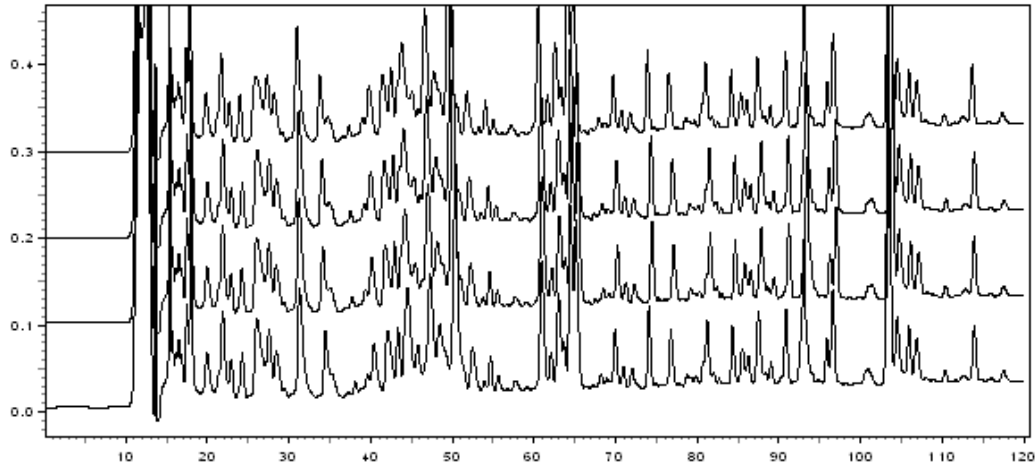
Solvent A: water
Solvent B: 2% acetone in water
Gradient: 0% B for 1 min, then 0-100% B in 9 min
Flow: 500 nL/min



NANO/CAPILLARY HPLC PUMP

Superior gradient stability gives reproducible chromatography

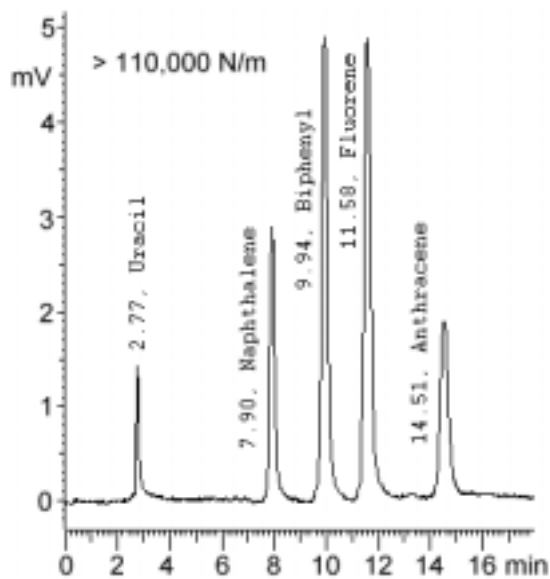
Sample: 50 pmole α -chymotrypsinogen A tryptic digest
Solvent A: 0.05% trifluoroacetic acid (TFA) in water
Solvent B: 0.045% TFA in acetonitrile-water (60:40)
Column: 5 μ m Vydac C18 300A, 0.3 x 150 mm
Temp: 25°C
Flow: 1 μ L/min



Excellent pump stability...

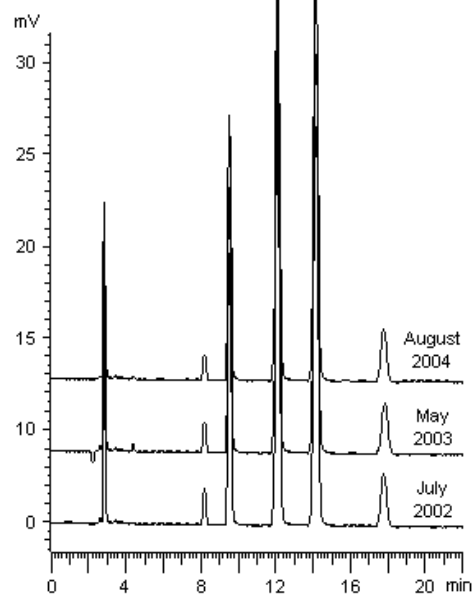
...provides high-efficiency micro-flow separations...

Sample: PAH mixture
Mobile phase: MeCN-water (70:30)
Column: 3.5 μ m Kromasil C18 100A, 0.1 x 100 mm
Temp: 25°C
Flow: 300 nL/min



...with superior reproducibility year after year...

Sample: PAH mixture
Mobile phase: MeCN-water (70:30)
Column: 3.5 μ m Kromasil C18 100A, 0.3 x 150 mm
Temp: 25°C
Flow: 3 μ L/min



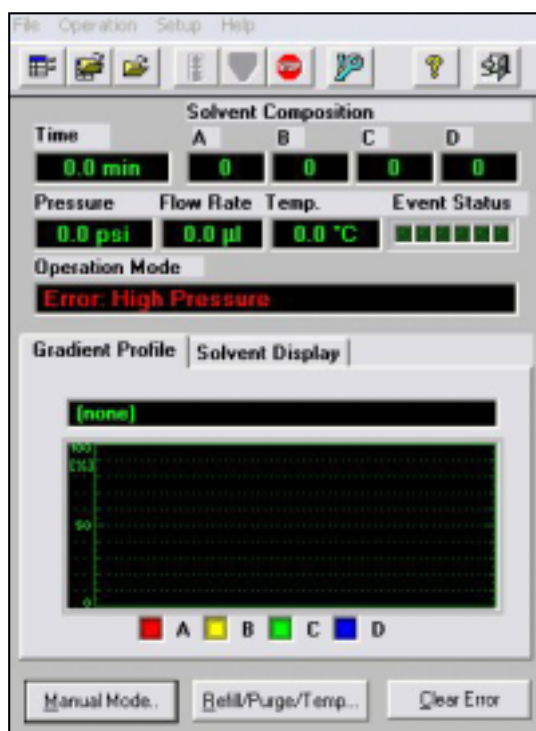
NANO/CAPILLARY HPLC PUMP

PC controlling

- Free with every HSP-2 Pro pump
- Runs on Windows® 98/Me or Windows® NT/2000/XP
- Can be used on a desktop or laptop PC
- Communicates with the pump through available serial port

The HotSep® HSP-2 Pro comes with simple Windows-based software for controlling the pump from a PC. The software will run on any PC with a Windows® 95/98/Me or Windows® NT/2000/XP operating system. The software communicates with the pump through an available serial port (RS-232).

The software provides easy control of all pump parameters in three different modes: real-time, program or refill/purge. Two-way communication allow the pump to be simultaneously controlled from both the keypad on the pump front panel and the PC.



The HSP-2 Pro Software

Other features:

- **Mouse-driven** pull-down menus and windows.
- **Complete** pump parameter control
- **User-defined** gradient runs have no size or entry limitations, allowing a "fine-tune" for each gradient.
- **Build** gradient run sequences that can include equilibration, refill and pre-pressurization.
- **Graphic visualization** of gradient profile and solvent consumption.
- **Program** events (e.g., to trig an injection / switching valve) from 6 different contact closures on the pump's rear panel.
- **Communicates** with ChemStation and ChromStar.

Other application areas

The HotSep® HSP-2 Pro can also be used for non-chromatographic applications, e.g., as a feeding pump in FIA or ESI-MS applications. Moreover, a single HotSep® HSP-2 Pro can control up to three other HSP-2 Pro pumps, whether for purposes of running gradients, for operating the pumps in multi-

independent mode, or for operating the pumps in reciprocating mode. For isocratic flow applications only, the pump is available with a less expensive single syringe configuration. Please contact us for further information.

NANO/CAPILLARY HPLC PUMP

Specifications HotSep® HSP-2 Pro

System Features

No. of syringes controlled:	2
Modes of operation:	Single syringe, binary gradient
Wetted parts:	316 stainless steel, UHMW polyethylene, PEEK
Syringe sizes:	2 mL
Position sensors:	2

Pump Features

Flow Rate Range:	0.01 - 10 µL/min
Flow Reproducibility:	± 0.5%, typically
Set increment:	0.01 µL
Refill Time:	Minimum: 30 seconds, rate and time programmable
Maximum Pressure:	5,000 psi (to limit of pressure transducer)
Min. Gradient Flow Rate:	0-100% B: 1 µL/min (5-95% B: 300 nL/min)
Gradient Resolution:	1%
Gradient Reproducibility:	± 0.5%, typically
Volume of Mixer	< 0.2 µL

Program Features

No. of steps:	200 (20 per file)
No. of files:	10
No. of cycles:	99

General Features

Dimensions (DxWxH):	36 cm x 34 cm x 44 cm (14.2 in x 13.4 x 17.3 in)
Weight:	30 kg (66.1 lbs)
Electrical:	100/120/230VAC/50-60Hz VA rating: 200 Fuses: 2.5 A (100-120VAC); 1.25 A (230VAC)
Remote:	Start, stop, hold, 6 contact closures, RS232

Technical data is subject to change without notice

ORDERING INFORMATION – HOTSEP® HSP-2 PRO PUMP

Description	Part No
HotSep® HSP-2 PRO binary gradient pump*	HSP-2-PRO
Replacement mixer (< 0.2 µL)	HSP-2-01
Additional mobile reservoir with cap and tubing	HSP-2-02

* includes software, RS-232 cable, mixer and two mobile phase reservoirs

HotSep[®] HSP-10 PRO

Splitless binary gradient pump for microbore HPLC



- Identical to HSP-2 PRO, but with 5x larger syringe volumes
- Pulseless, reproducible isocratic flows from 0.5 $\mu\text{L}/\text{min}$ to 200 $\mu\text{L}/\text{min}$
- Pulseless, reproducible binary gradient flows from 10 $\mu\text{L}/\text{min}$
- No flow-splitting, giving reduced organic solvent consumption
- Ideal for 1 mm ID columns in HPLC applications
- Modular design, suitable for applications including microbore HPLC, LC-MS, bio-separations, FIA, etc...

The HotSep[®] HSP-10 Pro pump achieves precise, pulseless fluid delivery at very low flow rates. By taking a system wide approach to developing the micro-pump, we have been able to produce a fully integrated pumping system, incorporating aspects critical to low flow rate work such as temperature control and minimized dead volume. The HotSep[®] micro-HPLC pump is capable of delivering flow rates as low as 0.5 $\mu\text{L}/\text{min}$ in isocratic mode and as low as 5 $\mu\text{L}/\text{min}$ in gradient mode. Equipped with an low dead volume mixer (5 μL), the HSP-10 PRO is ideal for solvent delivery in gradient microbore HPLC applications, e.g., peptide mapping by HPLC-ESI-MS.

Pulseless Flow

One of the key advantages of the HotSep[®] HSP-10 Pro pump's syringe-based design is the ability to deliver flow without pulsation. Consequently, detector sensitivity can be increased for trace-level detection. The optimized syringe sizes and micro-stepping stepper motor (each micro-step is equivalent to 0.1 nL) result in unmatched flow reproducibility even at exceptionally low flow rates.

Advanced pre-pressurization, versatile flow programming

The HotSep[®] HSP-10 Pro utilizes advanced software, which automatically and rapidly ramps to the operating pressure at the entered flow rate. Ramping flows is as simple as entering two end points. The HotSep[®] HSP-10 Pro can also be programmed to run in the constant pressure mode instead of the constant flow mode, or even programmed to generate pressure gradients.

Temperature Control

At extremely low flow rates, small variations in temperature can dramatically affect flow stability. For this reason, the HotSep[®] HSP-10 Pro has optional

temperature control of the syringe(s) which is strongly recommended when the highest level of precision is required.

Accurate and reproducible gradients

The HotSep[®] HSP-10 Pro ensures accurate and reproducible binary gradients. The design of conventional pumping systems limits their ability to generate gradients at very low flow rates. The HotSep[®] HSP-10 Pro is designed specifically for low flow rates, utilizing optimized syringe sizes and mixing chambers, resulting in thoroughly mixed, precise gradients. A specially designed static micro-mixer with an internal volume of 5 μL provides proper mixing throughout the range of gradient flow rates.

Other application areas

The HotSep[®] HSP-10 Pro can also be used for non-chromatographic applications, e.g., as a feeding pump in FIA or ESI-MS applications. Moreover, a single HotSep[®] HSP-10 Pro can control up to three other HSP-10 Pro pumps, whether for purposes of running gradients, for operating the pumps in multi-independent mode, or for operating the pumps in reciprocating mode. For isocratic flow applications only, the pump is available with a less expensive single syringe configuration. Please contact us for further information.

PC controlling

The HSP-10 PRO is controlled by the same software as the HSP-2 PRO. Please see p. 8.

MICROBORE HPLC PUMP

Specifications HotSep® HSP-10 Pro

System Features

No. of syringes controlled:	2
Modes of operation:	Single syringe, binary gradient
Wetted parts:	316 stainless steel, UHMW polyethylene, PEEK
Syringe sizes:	10 mL
Position sensors:	2

Pump Features

Flow Rate Range:	0.5 - 200 µL/min
Flow Reproducibility:	± 0.5%, typically
Set increment:	0.01 µL
Refill Time:	Minimum: 30 seconds, rate and time programmable
Maximum Pressure:	5,000 psi (to limit of pressure transducer)
Min. Gradient Flow Rate:	5 µL/min
Gradient Resolution:	1%
Gradient Reproducibility:	± 0.5%, typically
Volume of Mixer	5 µL

Program Features

No. of steps:	200 (20 per file)
No. of files:	10
No. of cycles:	99

General Features

Dimensions (DxWxH):	36 cm x 34 cm x 44 cm (14.2 in x 13.4 x 17.3 in)
Weight:	30 kg (66.1 lbs)
Electrical:	100/120/230VAC/50-60Hz VA rating: 200 Fuses: 2.5 A (100-120VAC); 1.25 A (230VAC)
Remote:	Start, stop, hold, 6 contact closures, RS232

Technical data is subject to change without notice

ORDERING INFORMATION – HOTSEP® HSP-10 PRO PUMP

Description	Part No
HotSep® HSP-10 PRO binary gradient pump*	HSP-10-PRO
Replacement mixer (5 µL)	HSP-10-01
Additional mobile reservoir with cap and tubing	HSP-10-02

* includes software, RS-232 cable, mixer and two mobile phase reservoirs

HotSep[®] HSA-30 Autosampler

- autosampler for microbore, capillary and nano-HPLC

- **HSA-30A:** 20 nL to 5 µL injection volumes for direct injection in microbore, capillary and nano-HPLC
- **HSA-30B:** 1 µL to 1 mL injection volumes for sample loading in column-switching applications in microbore, capillary and nano-HPLC
- **Microsampling mode** for samples volumes down to 5 µL
- **Optional timed injection** for low dispersion injection



The HotSep[®] HSA-30 Autosampler is built on state-of-the-art technology with many prominent features. In addition to high robustness and numerous programming possibilities, the HSA-30 is capable of handling sample volumes as small as 3-5 µL which is a significant advantage in automated analysis of small sample amounts. Other important features are:

- Model HSA-30B has option for additional 6-port or 10-port valve for column-switching applications such as large volume injections or sample clean-up/desalting.
- Includes a 25 µL (HSA-30A) or 1 mL (HSA-30B) syringe (standard) and a 48-vial tray designed for 12 mm vials.
- Accepts 384, 96 and 96-deep well plates, as well as 48 vials (1.5 mL, 12 mm)
- The autosampler comes with an accessory kit that includes transfer lines, cables, solvent bottle, solvent filter, micro- and macro vials with snap caps, four 10 mL vials for reagents and micro-titer plates.
- Automated dilutions, mixing, derivatization and sample preparations
- User programmable needle wash
- Missing plate detection sensor
- Optional biocompatible PEEK flow path
- Optional temperature control from 4 to 40°C (min temp. is 20°C below ambient)

ORDERING INFORMATION – HOTSEP[®] HSA-30 AUTOSAMPLER

Description	Part No
HotSep [®] HSA-30A (50 nL to 5 µL)	HSA-30A
HotSep [®] HSA-30B (1 µL to 1 mL)	HSA-30B
HotSep [®] HSA-30B with additional 6-port valve	HSA-30B-06V
HotSep [®] HSA-30B with additional 10-port valve	HSA-30B-10V
<i>Accessories:</i>	
Replacement HSA-30A 25 µL luerlock syringe	HSA-30A-01
Replacement HSA-30B 1 mL luerlock syringe	HSA-30B-01
Replacement HSA-30A injection needle	HSA-30A-02
Replacement HSA-30B injection needle	HSA-30B-02

* For ordering the autosampler with a Peltier element, with biocompatible path way, or for ordering other replacement parts than those listed, please contact your local distributor or G&T Septeck AS.

MICRO-HPLC AUTOSAMPLER

Specifications HotSep[®] HSA-30 Autosampler

Analytical Specifications

Sample Capacity:	48 vials of 1.5 mL (standard) 96 and 384 well plates
Injection Volume:	20 nL to 5 μ L fully programmable without loop exchange 5 μ L to 1000 μ L with loop exchange
No. of injections/vial:	max. 9
Needle wash:	programmable
Cycle time:	< 1 min vial-to-vial

Injection

Reproducibility:	better than 0.4% for full loop injections better than 1.0% for partial loop injections better than 1.5% for micro sampling
Memory Effect:	less than 0.025% with programmable needle wash, independently of the injected volume

Electrical Specifications

Power Requirements	115 V \pm 10%, 50Hz/60 Hz, 250 VA 230 V \pm 10%, 50Hz/60 Hz, 250 VA, selectable on back panel
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Communication

Outputs:	inject marker (relays and TTL) vial marker (relays and TTL) stop I/O (relays and TTL) 4 auxiliary 2 programmable outputs (relays)
Inputs:	next injection marker (TTL) next vial marker (TTL) stop I/O (TTL) 4 programmable inputs (TTL)

Physical Dimensions

Dimensions:	28 W x 40 D x 44 H (cm) 11 W x 15.7 D x 17.3 H (inches)
Weight:	22 kg, 48 lbs.

Options

Sample Cooling:	built-in Peltier cooling, 4–40°C (factory installed)
Column Switching:	one additional 6- or 10- port valve (factory installed)

Technical data is subject to change without notice

HotSep[®] HSO-90 Column Thermostat

- column heater/chiller for use in HPLC

- Temperature range: 5 - 90°C
- Improves reproducibility and chromatographic results
- May improve column efficiency
- Injection valve can be integrated in the door
- Perfect in combination with HotSep[®] HSA-30 Autosamplers by integration of injection valve (and column-switching valve) through side wall



The HotSep[®] HSO-90 column oven provides exact and reproducible temperature control. Large heating plates guarantee safe and stable operation over the entire temperature range, while forced air circulation ensures excellent temperature uniformity in the column area. The oven features single-point electronic calibration for accuracy that is easily reset by the user to agree with local laboratory standards.

The use of a column oven contributes to the reproducibility of the retention times, separations are more consistent at a constant temperature and sometimes at elevated or subambient temperatures. By using the HSO-90 oven, room temperature changes will no longer affect your separations.

- Both trap column and separation column can be thermostated when combined with the HotSep[®] HSA-30 Autosampler.
- The HSO-90 has a below-ambient temperature differential that depends on ambient room temperature. The differential is approximately 18°C. In certain cases, the oven needs about 30 minutes to chill down to 5°C.
- The oven tolerates columns as long as 30 cm and the columns can be mounted on the door or inside the oven compartment.
- Positively and negatively sloped temperature gradients possible

ORDERING INFORMATION – HOTSEP[®] HSO-90/HSO-150 COLUMN THERMOSTAT

Description	Part No
HotSep [®] HSO-90 Column Thermostat	HSO-90

Please contact your local distributor or G&T Septeck AS for further information

COLUMN HEATER/CHILLER

Specifications HotSep[®] HSO-90 Column Thermostat

Temperature Control

Temperature Range:	+5°C to 90°C
Temperature Accuracy:	Better than 0.1°C, measured at 30°C in the center of the compartment
Temperature Stability:	Better than 0.1°C, measured at 30°C in the center of the compartment
Temperature Reproducibility:	Better than 0.1°C, measured in the center of the compartment
Temperature Gradient:	Better than 0.2°C, measured in the column area
Temperature Change:	Up: +10°C/min Down: - 3°C/min from 70°C to 30°C
Time Programmable Temp. Change:	Time Base, 9 h 59 mins total time with 1 min increments Maximum 10 programmable lines
Programmable Temperature Ramp:	Up: + 0.1 to + 5.0°C/min Down: - 0.1 to -1.5°C/min within 90°C to 25°C
Memory:	Battery back-up memory for programmable parameters

Safety

Detection:	Vapor sensor with selectable alarm settings Temperature limit switch at 125°C Watchdog circuit for microprocessor check
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Electrical

Electronics:	68,000 microprocessor system
Communication:	RS232 with SparkLink communication Outputs: Relay alarm output temperature or vapor sensor Relay oven ready Buzzer alarm temperature or sensor Inputs: Start temperature program Emergency shut-down
Power Requirements:	220 V _{ac} ± 10%, 50 Hz 110 V _{ac} ± 10%, 60 Hz
Power Consumption:	400 VA _{max}

Display

Displayed Parameters:	Actual temperature in 0.1°C Setpoint temperature in 1°C Elapsed time in hours and minutes
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Physical (in vertical position)

Dimensions:	51.4 H x 17 W x 32.5 D (cm) 20.2 H x 6.7 W x 12.8 D (inches)
Weight:	16 kg, 35.3 lbs.

Technical data is subject to change without notice

WellChrom K-2600 UV/VIS Detector

Fast scanning UV/VIS detector for micro-HPLC

- Covers entire range of microbore, capillary, and nano-HPLC
- Switch between microbore, capillary and nano UV cells
- Tolerates flow rates from 100 nL/min to 500 µL/min



The WellChrom K-2600 UV/VIS detector from Knauer is a specially designed (fiber optics) scanning UV-VIS absorbance detector for micro-HPLC, which place it among the most sensitive and versatile absorbance detectors available for micro-column separations. The detector features advanced programmability, simultaneous monitoring of two selectable wavelengths, unmatched signal-to-noise performance and exceptional linearity.

- Deuterium lamp provides wavelengths from 190 nm to 740 nm. Tungsten-halogen lamp is available on request.
- Noise level (± 0.05 mAU) comparable to standard UV/VIS detectors.
- Flow cell can be replaced within seconds without any tools.
- In the "stand-alone" mode the detector offers two adjustable wavelengths per run, while four wavelengths are available if externally controlled.
- The detector provides GLP functions such as: detailed reports, displaying the total hours of lamp operation, and total number of lamp ignitions.

Flow Cells

The WellChrom K-2600 UV/VIS Detector can easily be switched between microbore and capillary HPLC mode by replacing the flow cell. Each flow cell is optimized for its dedicated application, ensuring superior sensitivity with minimal peak dispersion. Each cell is pre-aligned for installation within seconds without any tools.

Flow Cell Type	Microbore:	Capillary:
Max. Flow Rate (µL/min)	200	20
Max. Pressure (bar)	500	500
Light Path (mm)	8	8
Illuminated Volume (nL)	140	35
Internal Diameter (µm)	150	75
Noise* (mAU)	± 0.05	± 0.05



* MeCN-water (2:98), 254 nm, time constant 2.0 s.

Specifications WellChrom K-2600 UV/VIS Detector

Display:	LCD display
Dimensions:	16 W x 18.5 H x 34 D (cm) 6.3 W x 7.3 H x 13.4 D (inch)
Weight:	5.5 kg (12.1 lbs)
Power Supply:	Universal, 90-260 V, 47-63 Hz
Communication:	2 x RS-232, analog input, event outputs (TTL, relay, remote connection)
Wavelength range:	190 to 740 nm, cutoff filter (2 nd order) 370 nm
Scanning Speed:	complete wavelength range with approx. 100 nm/s
Light Source:	Deuterium (standard) Tungsten-halogen (optional)
Wavelength Accuracy:	$\Delta\lambda \leq 8 \text{ nm}, \pm 1 \text{ nm}$
Noise:	$8 \times 10^{-5} \text{ AU}$ at 240 nm and time constant 1.0 s
Drift:	$10 \times 10^{-5} \text{ AU/h}$ at 240 nm and time constant 1.0 s
Sensitivity:	$2 \times 10^{-5} \text{ AU}$ at 240 nm and time constant 1.0 s
Time Constants:	0.1/0.2/0.5/1.0/2.0/5.0/10.0 s
Analog Output:	$\pm 0.1 \text{ V} / \pm 1 \text{ V} / \pm 10 \text{ V}$ (scalable in 16 increments from 10^{-4} to 10 AU)
Programming:	10 programs
GLP:	Complete use/error/service report

Technical data is subject to change without notice

ORDERING INFORMATION – WellChrom K-2600 UV/VIS Detector with Deuterium Lamp

Description	Part No
WellChrom K-2600 UV/VIS detector without flow cell	KA4070
U-Z View microbore flow cell (140 nL)	KA4091
U-Z View capillary flow cell (35 nL)	KA4092
Replacement deuterium (UV/VIS) lamp	KA4071-1

For ordering other replacement parts than those listed, please contact your local distributor or G&T Septeck AS.