

HPLC Column Thermostat S4115 – S4120

- Peltier-based column thermostat with heating and cooling
- large sample compartment with screw mounted column holder for optimized heat-transfer
- Vertical or horizontal housing, for optimized integration and minimized use of bench space
- motor-driven switching valve mounted in column compartment
- RS 232 controlled via Geminix III Chromatography data system
- excellent temperature accuracy and precision



Description

The wide temperature range and the excellent accuracy and precision of this column thermostat enables the use in every field of modern HPLC analysis. Temperature stability that is unaffected by changes in ambient temperature is a key factor for precise analysis results in HPLC

This column thermostat in the horizontal S4115 variant can be stacked perfectly with other Celeno modules and reduces the amount of bench space needed. The vertical S4120 variant reduced the total height of the HPLC system by placing the column thermostat beside the HPLC system.

The large front door features easy access to the screw mounted column holders, which can accommodate HPLC columns up to 350mm total length. The screw mounted holders guarantee an optimized heat transfer to the columns. A maximum of 3 columns with 350mm length can be mounted simultaneously.

You have to change columns for different applications very often? In the S4115 and S4120 column thermostat, motor-driven switching valves can be mounted inside the column compartment, allowing you to switch columns by software control. Column switching valves for 6 columns and other switching valves are available.

The wide temperature range from +5°C up to +100°C, a thermal fuse as overheating protection and a high sensitivity leakage sensor warns you of undesired solvent leaks.

The complete instrument control is managed by our Geminix III Chromatography data system via RS 232 port, of course including the control of a built-in switching valve.

Specifications:

Temperature range:
+5 °C to +100 °C

or

+30 °C to +100 °C
(ambien temperatur +5°C)

Temperature accuracy:
± 0,1 °C

Temperature stability:
± 0,1 °C

Dimensions:

S4115 (horizontal)
396 x 165 x 478 mm (B x H x T)

S4120 (vertical)
183 x 566 x 270 mm (B x H x T)

Instrument control:
RS 232 (Geminyx III)
or by keyboard

Power Supply
100 -245 V, 50 - 60 Hz, 100 VA

Product contents:
HPLC column thermostat with
one column holder for HPLC
columns with 8mm outer
diameter, length 100 to 250mm

Ordering information:

78-290139
HPLC Column thermostat S4120
Temperature +5 to +100°C

78-290139S
HPLC Column thermostat S4120
Temperature +5 to +100°C
incl. 6-fach Column switching valve

78-290139V
HPLC Column thermostat S4120
Temperature +5 to +100°C
incl. 2x3-way switching valve

78-290140
HPLC Column thermostat S4115
Temperature +5 to +100°C

78-290140S
HPLC Column thermostat S4115
Temperature +5 to +100°C
incl. 6-fach Column switching valve

78-290140V
HPLC Column thermostat S4115
Temperature +5 to +100°C
incl. 2x3-way switching valve

78-290141
HPLC Column thermostat S4120
Temperature +30 to +100 °C
(heating only)

78-290141S
HPLC Column thermostat S4120
Temperature +30 to +100 °C
incl. 6-fach Column switching valve
(heating only)

78-290141V
HPLC Column thermostat S4120
incl. 2x3-way switching valve
Temperature +30 to +100 °C
(heating only)

78-290142
HPLC Column thermostat S4115
Temperature +30 to +100 °C
(heating only)

78-290142S
HPLC Column thermostat S4120
incl. 6-fach Column switching valve
Temperature +30 to +100 °C
(heating only)

78-290142V
HPLC Column thermostat S4120
incl. 2x3-way switching valve
Temperature +30 to +100 °C
(heating only)



Figure: S 4120 Column Compartement



Figure: S 4115 Column Compartement w. Switching Valve S 6010

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