

S 4115 COLUMN OVEN

The **Sykam S 4115 Column Oven** is a contact heat transfer oven for high temperature stability and accuracy. The columns are mounted inside the column oven in optimized column holder which enclose the complete column to get the best temperature transfer between the heater and the column.



■ Heating

The **Sykam S 4115 Column Oven** standard version features a high temperature controller for stable column temperatures of +30°C up to +100°C. The temperature accuracy is within 0.1 °C.

■ Heating/Cooling

The **Sykam S 4115 Column Oven** is also available with active Heating/Cooling with Peltier technique. The temperature range is +5°C up to +100°C. The Heating/Cooling unit uses the same efficient controller as the basic version with temperature accuracy better than 0.1 °C.

■ Temperature Time Program

The Heating/Cooling variant offers an optional Temperature Time Program for stand-alone operation.

■ Integrated Valve

The **Sykam S 4115 Column Oven** offers the option to include an automatic switching valve of the **Sykam S 6000 Valve Series**, for example the **S 6070 Column Selection Valve**, but all **S 6000** Valves can be integrated.

■ Leakage Sensor

The **S 4115 Column Oven** offers a high sensitive Leakage Sensor which detects the vapors of organic solvents.

■ Temperature Fuse

Besides a Leakage Sensor the **S 4115** offers a temperature fuse which shuts down the unit when the temperature becomes too high, because of an electronic defect.

■ OEM Options

The *Sykam S 4115 Column Oven* itself is available as a complete OEM instrument. Please contact us for any further information on OEM modules.

■ Technical Specifications

Wetted Materials:	Stainless Steel / PEEK ¹ , PPS ¹
Temperature Range:	+30°C – +100°C (min.: ambient +5 °C) <i>optional: +5°C – +100 °C (Peltier)²</i>
Temperature Accuracy:	< 0.1 °C
Switching Valve:	<i>optional: any S 6000 Series Valve</i>
Temperature Program:	<i>optional with Heating/Cooling (Peltier)</i>
Safety Features:	Temperature Fuse; Leakage Sensor
Dimensions: (W x H x D)	396 x 165 x 478 mm
Power Supply:	100 - 250 ~V (47 - 63 Hz)

¹ Switching Valve: depending on configuration

² Temperature range at 20°C ambient

■ Order Information

Catalog No	Description
10 40 013	S 4115 Column Oven: Heating ¹
10 40 014	S 4115 Column Oven: Heating/Cooling (Peltier) ¹
10 40 015	<i>S 4115 Option: Temperature Program (requires 10 40 014)</i>
10 40 016	<i>S 4115 Option: Switching Valve</i>
25 01 476	<i>S 4115 Accessory: Column Holder #1 (diameter 8mm, length 100mm up to 250mm)²</i>
25 01 474	<i>S 4115 Accessory: Column Holder #2 (diameter 9 - 13mm, length up to 250 mm)²</i>

¹ The *S 4115 Column Oven* comes by default with one Column Holder #1 (25 01 476)

² *Other Column Holders are available on request*



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

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