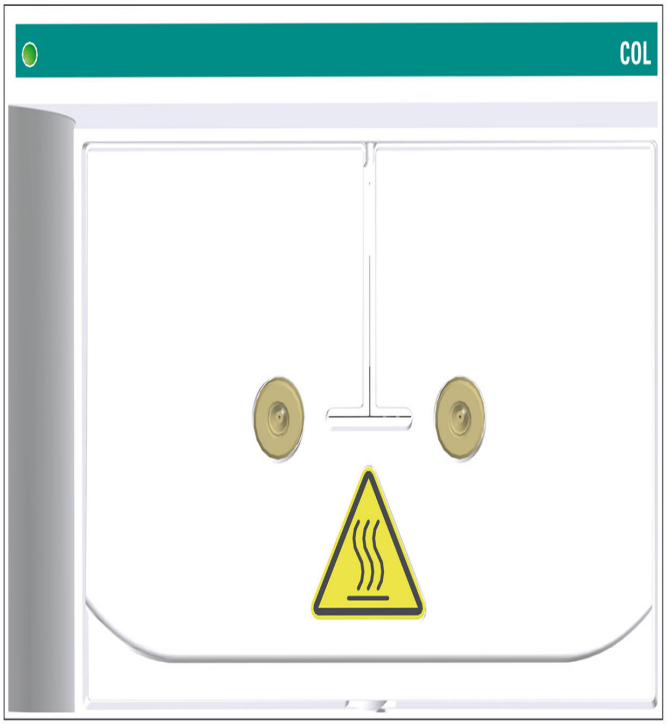


OMNIS Column Thermostat Unit 2

2.1056.0530

The OMNIS Column Thermostat Unit 2 functions as an intelligent column thermostat with removable column tray in the OMNIS IC System. With the aid of the installed Peltier technology, which functions without fans, the thermostat can cause heating as well as cooling, and ensures a stable baseline. The horizontal installation as column tray enables simple installation and removal of the column and thus facilitates column replacement.

The column is fastened to and stowed on the column tray. The column is fastened to the intelligent memory chip which enables the reading of important column parameters, e.g., number of injections or production data (product number, serial number).

The column thermostat regulates the temperature for the separation columns and the eluent, thereby providing stable measuring conditions. The eluent in the preheating cartridge is preheated or cooled to the defined temperature to avoid temperature fluctuations within the separation column. In the OMNIS Column Thermostat Unit, up to 2 columns can not only be heated but also cooled.

The Column Thermostat Unit 2 is equipped for operation with 2 columns.
For multiple temperature zones, additional OMNIS Column Thermostat Units can be installed in further OMNIS Extension Modules.

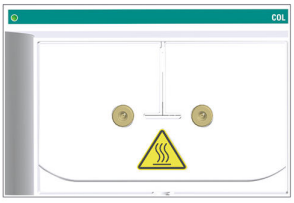
The OMNIS Column Thermostat Unit 2 has a leak sensor and an external overflow. Leakages are thus detected immediately and the escaped liquid is discharged without damage to the OMNIS IC System.
Find here the matching column for your OMNIS IC application: Column Finder.

Specifications:

– Temperature range: 5 to 80 °C
– Temperature resolution (adjustable): 1 °C
– Minimum temperature: 5 °C
– Maximum temperature: 80 °C
– Heating time: 5 min (from 25 °C to 50 °C)
– Cooling time: 14 min (from 50 °C to 25 °C)
– Temperature stability: 0.05 °C
– Temperature reproducibility: 0.2 °C

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery 2.1056.0530

Order Number	Description	Quantity
1.1056.0530 	**OMNIS Column Thermostat Unit 2** The OMNIS Column Thermostat Unit 2 functions as an intelligent column thermostat with removable column tray in the OMNIS IC System. With the aid of the installed Peltier technology, which functions without fans, the thermostat can cause heating as well as cooling, and ensures a stable baseline. The horizontal installation as column tray enables simple installation and removal of the column and thus facilitates column replacement. The column is fastened to and stowed on the column tray. The column is fastened to the intelligent memory chip which enables the reading of important column parameters, e.g., number of injections or production data (product number, serial number). The column thermostat regulates the temperature for the separation columns and the eluent, thereby providing stable measuring conditions. The eluent in the preheating cartridge is preheated or cooled to the defined temperature to avoid temperature fluctuations within the separation column. In the OMNIS Column Thermostat Unit, up to 2 columns can not only be heated but also cooled. The Column Thermostat Unit 2 is equipped for operation with 2 columns. For multiple temperature zones, additional OMNIS Column Thermostat Units can be installed in further OMNIS Extension Modules. The OMNIS Column Thermostat Unit 2 has a leak sensor and an external overflow. Leakages are thus detected immediately and the escaped liquid is discharged without damage to the OMNIS IC System. Find here the matching column for your OMNIS IC application: Column Finder.	1 PCS

6.2744.070

Pressure screw short 1 PCS

Short version. With UNF 10/32 connection. 5 pieces. For the connection of PEEK capillaries

6.01831.180

PEEK capillary INJ – COL, 280/0.18 mm 2 PCS

Pre-cut PEEK capillary with identification label for OMNIS IC

Optional accessories

6.1051.420
Metrosep C 6 - 150/4.0

The high-capacity C 6 material makes the Metrosep C 6 - 150/4.0 separation column the optimum solution for separating standard cations with high differences in concentration in conjunction with reasonable retention times. Drinking water with low ammonium contents can be determined with this column.

6.1090.420
Metrosep Carb 2 - 150/4.0

The Metrosep Carb 2 - 150/4.0 IC column is particularly suitable for the determination of carbohydrates using alkaline eluents and pulsed amperometric detection. The anion exchanger column is based on a styrene-divinylbenzene copolymer. It is stable in the range of pH = 0 to pH = 14 and separates monosaccharides and disaccharides. It is also suitable for the analysis of sugar alcohols, anhydrous sugars, oligosaccharides, etc. The column capacity has been optimized to enable the combination of rapid separations and excellent separation properties.

6.01032.420
Metrosep A Supp 17 - 150/4.0

The Metrosep A Supp 17 - 150/4.0 separation column is the column of choice for anion determinations that require good separating efficiency and short separation times at room temperature. The maximum flow rate of 1.4 mL/min then also makes it possible to optimize the determination. The Metrosep A-Supp-17 columns convince with their good price-performance ratio.

6.01034.420

Metrosep A Supp 19 - 150/4.0

Outstanding separation properties and high-capacity – these are the things which clearly distinguish the Metrosep A Supp 19 product family from the rest of the column portfolio. It features best peak symmetries and selectivities as well as high thermal, mechanical and chemical stability, which makes it extremely robust and stable in the presence of higher flow rates and pressures.

The 150 mm version is considered the standard column for anion chromatography, as it reliably solves the lion's share of applications and is very versatile in its use. Thanks to its high capacity, the Metrosep A Supp 19 - 150/4.0 separation column is particularly well suited even for complex applications with sophisticated matrices. The range of applications of the Metrosep A Supp 19 - 150/4.0 is very versatile, thanks to its outstanding separation properties and comprises the following applications, for example:

– Determination of standard anions (fluoride, chloride, nitrite, bromide, nitrate, phosphate and sulfate) in a wide variety of water samples;
– Determination of standard anions and organic acids in complex sample matrices, e.g. environmental or food samples;
– Determination of standard anions and organic acids in boiler feed water to ensure the safe operation of power plants;
– Determination of standard anions in pharmaceutical samples.

6.01035.420

Metrosep A Supp 20 - 150/4.0

The Metrosep A Supp 20 - 150/4.0 is an advanced anion chromatography column designed to deliver high-quality separations for regulatory and advanced applications. Its excellent separation efficiency makes it ideally suited for methods requiring precise determination of standard anions and oxyhalides, including US EPA 300.1 Parts A and B and ISO 10304 Parts 1 and 4. With reliable performance across different sample types, it offers laboratories a stable solution for both routine and compliance-driven anion analysis.

Built on a durable polystyrene/divinylbenzene substrate, the selectivity of the Metrosep A Supp 20 - 150/4.0 is optimized for operation with isocratic carbonate eluents, offering a particularly robust and user-friendly solution for daily anion chromatography workflows. This ensures excellent long-term stability, and full compatibility with widely established IC methods.

Thanks to its high anion exchange capacity, the Metrosep A Supp 20 - 150/4.0 supports the full application range typically handled by high-capacity anion columns, including the determination of oxyhalides, standard anions and dichloroacetate. The shorter version of the Metrosep A Supp 20 series, the 150/4.0 version, provides a fast and accurate analysis across diverse sample types and is suitable for most determinations.