



OMNIS IC equip.: PCR, PP

6.05332.110

Accessory set for PCR in OMNIS IC: PCR-UV/VIS detection is used to photometrically detect analytes through a chemical reaction following chromatographic separation. In the PCR cartridge, the eluent is mixed with a reagent behind the separation column, thereby specifically reacting with the analyte. The eluent-reagent mixture, along with the reacted analytes, is then transported to the UV detector. This set is specific for the PCR application in combination with the peristaltic pump unit.

Prerequisites:

OMNIS IC S/M/L, including:

- available OMNIS Peristaltic Pump Unit channel
- available OMNIS Column Thermostat Unit

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 6.05332.110

Order Number	Description	Quantity
6.02837.040	Filter tube Filter tube with Luer adapter, protects eluents and reagents from particles.	1 PCS
		
6.05000.010	Accessory kit: Bottle OMNIS IC, PP, 2 L OMNIS IC accessory set to install the reagent bottle onto the Reagent Organizer / Reagent Organizer Liquid Control.	1 PCS
		
6.2744.070	Pressure screw short Short version. With UNF 10/32 connection. 5 pieces. For the connection of PEEK capillaries	1 PCS
		

6.02027.030

Clip fixation bar, 2 x OD 1/16"

2 PCS

Clip for fastening the inlet capillary to the column when using the OMNIS Column Holder Unit.



6.2744.034

Coupling olive/UNF 10/32, 2x

1 PCS

Connection between pressure screw and pump tubing. 2 pieces. For IC instruments with peristaltic pump.



6.2744.150

T connector UNF 10/32

1 PCS

T connector for 3 capillaries.



6.1831.030

PEEK capillary 0.75 mm i.d. / 3 m

1 PCS

For all IC components.



6.01826.010

Pump tubing, ID 0.5 mm, orange - yellow

1 PCS



Pump tubing with an inner diameter of 0.5 mm for use with the Peristaltic Pump Unit in the OMNIS IC system. The tubing enables controlled and reliable transport of liquids for examples for dialysis, suppressor regeneration, or PCR solutions. It is designed for consistent flow performance during operation. Its material properties support stable functioning under routine analytical conditions.

6.02006.120

Holder, fixation bar

1 PCS



Holder for fastening T connectors on the fixation bar in the OMNIS IC.

6.02845.100

PCR cartridge, PTFE, ID 0.5 mm

1 PCS

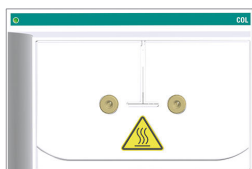


Cartridge containing the PCR capillary to be mounted in the OMNIS IC Thermostate Unit.

Optional accessories

2.1056.0520

OMNIS Column Thermostat Unit 1



The OMNIS Column Thermostat Unit 1 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 1 is equipped for operation with 1 column. It can however be retrofitted with a second preheating capillary for a second column.

For multiple temperature zones, additional OMNIS Column Thermostat Units can be installed in further OMNIS Extension Modules.

The OMNIS Column Thermostat Unit 1 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.

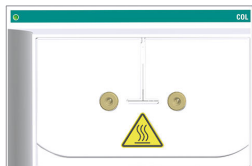
Find here the matching column for your OMNIS IC application: [Column Finder](#).

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

2.1056.0530

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.

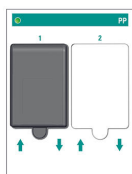
Find here the matching column for your OMNIS IC application: [Column Finder](#).

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

2.1056.1010

OMNIS Peristaltic Pump Unit 1-Channel



The OMNIS Peristaltic Pump Unit is used as the peristaltic pump in the OMNIS IC System to convey the samples and auxiliary solutions.

It works according to the displacement principle, i.e., liquids are forced through the pump tubing by external mechanical deformation of the pump tubing. The pump tubing is deformed by pressing it against a rotating roller head.

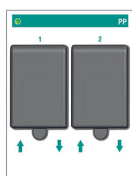
The 1-channel peristaltic pump can be expanded into a 2-channel peristaltic pump, after which the 2 channels can be operated at different rotational speeds.

Specifications:

- Number of channels: 1 (can be expanded to 2)
- Rotational speed increment: 2.5 rpm
- Minimum rotational speed: 2.5 rpm
- Maximum rotational speed: 250 rpm
- Rotation direction: Clockwise

2.1056.1020

OMNIS Peristaltic Pump Unit 2-Channel



The OMNIS Peristaltic Pump Unit is used as the peristaltic pump in the OMNIS IC System to convey the samples and auxiliary solutions.

It works according to the displacement principle, i.e., liquids are forced through the pump tubing by external mechanical deformation of the pump tubing. The pump tubing is deformed by pressing it against a rotating roller head.

The two channels can be operated independently of each other at different speeds, increasing flexibility for a wide range of applications.

Specifications:

- Number of channels: 2
- Rotational speed increment: 2.5 rpm
- Minimum rotational speed: 2.5 rpm
- Maximum rotational speed: 250 rpm
- Rotation direction: Clockwise