OMNIS IC equip.: PCR, DD

6.05332.070

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 enabling a specific reaction 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 dosing drive unit, including an additional bottle for rinsing purposes.

Prerequisites:

OMNIS IC S/M/L, including:

– available OMNIS Dosing Drive Unit
– 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 6.05332.070

Order Number	Description	Quantity
6.02744.010	**Flangeless fitting M6, 1/8", 2 pcs** Flangeless fitting for 1/8'' tubing. Quantity: 2 pcs	2 PCS
6.02837.040	**Filter tube** Filter tube with Luer adapter, protects eluents and reagents from particles.	2 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.	2 PCS

6.2744.070

Pressure screw short 1 PCS

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

6.02027.030

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.

6.2744.150

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.

6.01506.150

Cylinder unit OMNIS 5 mL, UNF 10/32 1 PCS

Intelligent cylinder unit OMNIS 5 mL with four ports (2x M6 and 2x UNF 10/32) for use with the OMNIS Dosing Drive Unit within the OMNIS IC.

6.01805.400

FEP tubing M6, 1/8" x 1.59 mm, 3 m 1 PCS

6.02006.120

Holder, fixation bar 1 PCS

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

6.02061.130

Drip collector, Unit 1 PCS

Drip collector for Unit, mounted on fixation bar, Extension.

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.

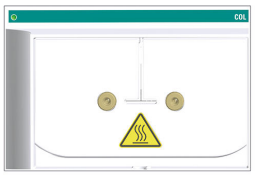
Optional accessories

2.1056.0310
OMNIS Dosing Drive Unit

The OMNIS Dosing Drive Unit functions as a dosing drive for attachable cylinder units used for the precise aspiration and dosing of liquid volumes.
The OMNIS Dosing Drive Unit is compatible with various cylinder units (2 to 50 mL). Thanks to the new design, a higher resolution and accuracy can be achieved during dosing.
Specifications:
– Resolution: 250,000 steps per cylinder volume
– Dosing times/filling times: 10 seconds

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.

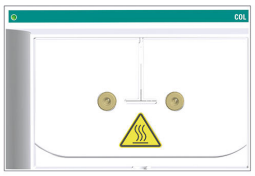
Find here the matching column for your OMNIS IC application: Column Finder.

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