



OMNIS IC equip.: AutoSwitch

6.05332.130

Accessory set for AutoSwitch in OMNIS IC: Many samples require analysis of multiple analytes, such as anions and cations. The OMNIS IC M can be easily upgraded to perform AutoSwitch analysis. This enables automated serial execution, for example, of anion and cation analyses. Automatic switching between different analyses is possible with an additional injector and two 3/2-way valves.

Prerequisites:

OMNIS IC M, including:

- available OMNIS Actuator Unit equipped with 6/2 or 7/3 injector (minimum 1 x 7/3 injector is required)
- available position on the OMNIS Column Thermostat Unit
- AS/ASCOOL equipped with 1x switching valve 3/2, M6 and 1x switching valve 3/2, UNF

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 6.05332.130

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
		
6.01806.000	PEEK capillary, 2000/0.18 mm	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

1 PCS

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



6.01831.170

PEEK capillary INJ – COL, 540/0.18 mm

1 PCS

Pre-cut PEEK capillary with identification label for OMNIS IC



6.2744.040

2 x UNF 10/32 coupling

1 PCS

For connecting 1/16 in. capillaries. For IC instruments



6.2744.014

Pressure screw 2x

1 PCS

With UNF 10/32 connection. For the connection of PEEK capillaries



6.01805.400

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

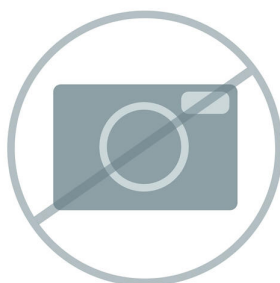
2 PCS



6.02010.000

Pulsation absorber with holder

1 PCS



For non-suppressed analyses (e.g., a standard cation determination), Metrohm recommends installing a pulsation absorber between the OMNIS high-pressure pump and the OMNIS injector. The pulsation absorber with metal-free flow path

dampens disruptive pulsations from the high-pressure pump. This makes it possible to achieve low limits of detection and a stable baseline. The parts that come into contact with the media are metal-free.

6.02845.000

Preheating cartridge ID 0.18 mm

1 PCS



Cartridge containing the eluent preheating capillary to be mounted in the OMNIS Column Thermostat Unit.

6.1831.180

PEEK Capillary 0.5 mm i.d., 3 m

1 PCS



6.01831.250

PEEK capillary INJ – INJ, 250/0.18 mm

1 PCS

Pre-cut PEEK capillary with identification label for OMNIS IC



Optional accessories

2.1056.0410

OMNIS Actuator Unit

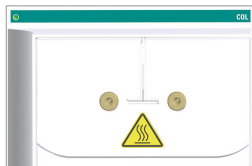


The OMNIS Actuator Unit functions as a drive for various injectors, selectors, and the OMNIS MSM Unit in the OMNIS IC System:

- In combination with an injector valve, the OMNIS Actuator Unit is used for the injection of sample into the flow of the eluent.
 - Equipped with a selector valve, the OMNIS Actuator Unit serves as a toggle switch between multiple liquids.
 - Together with a suppressor rotor, the OMNIS MSM Unit forms a Metrohm Suppressor Module (MSM). The MSM serves as a chemical suppressor in the OMNIS IC System.
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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.

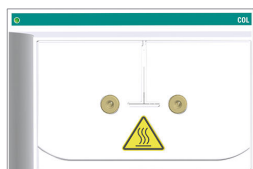
Find here the matching column for your OMNIS IC application: [Column Finder](#).

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.

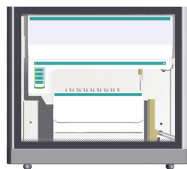
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Specifications:

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- 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

2.1054.0010

**OMNIS IC Autosampler
Module**



The OMNIS IC Autosampler automates the sample change in the OMNIS IC System and enables efficient processing of up to 160 vials of 5 mL each, depending on the selected rack. As the first fully integrated autosampler of the new OMNIS IC generation, it is installed directly below the OMNIS IC as standard. It is not a stand-alone device, but an integral part of the OMNIS IC System, which is conveniently controlled via the OMNIS Software.

Key features:

- Compact footprint: Can be placed directly under the OMNIS IC
- High sample throughput: 96 x 10 mL vials, 160 x 5 mL vials, 192 x (1500, 700, 300) μ L HPLC vials, 384 x 2 mL well format (deep well plate)
- High speed (30 s/injection of 5 μ L)
- Removable autosampler tray for easy loading and unloading
- Interior lighting for easy loading and unloading
- Fast and precise xyz needle drive with automatic vial detection
- Follow-up light and status display for visual traceability of needle movement and autosampler status
- High flexibility for different sample vessels and rack types (including customer-specific racks)
- Six integrated positions for 50 mL bottles, e.g., for standards or rinsing solutions
- Integrated rinsing station and leak detection as standard for maximum safety
- Fully integrated into the OMNIS Software
- Optional upgrades: 3/2-way valves, dilution station, barcode reader

2.1054.0020

**OMNIS IC Autosampler
Module COOL**



The OMNIS IC Autosampler COOL automates the sample change in the OMNIS IC System and enables efficient processing of up to 160 vials of 5 mL each, depending on the selected rack. In addition, the OMNIS IC Autosampler COOL offers the option of precisely controlling the temperature in the range from 4 °C to 22 °C, enabling a large number of samples to be cooled. The cooling function is ideal for thermally unstable and biochemically relevant samples, for example in the analysis of organic acids, halogenated acetic acids, amino acids, and carbohydrates.

Key features:

- Compact footprint: Can be placed directly under the OMNIS IC
- Temperature control from 4 °C to 22 °C
- High sample throughput, large quantity of coolable samples: (96 x 10 mL vials, 160 x 5 mL vials, 192 x (1500, 700, 300) µL HPLC vials, 384 x 2 mL well format (deep well plate))
- High speed (30 s/injection of 5 µL)
- Removable autosampler tray for easy loading and unloading
- Interior lighting for easy loading and unloading
- Fast and precise xyz needle drive with automatic vial detection
- Follow-up light and status display for visual traceability of needle movement and autosampler status
- High flexibility for different sample vessels and rack types (including customer-specific racks)
- Six integrated positions for 50 mL bottles, e.g., for standards or rinsing solutions
- Integrated rinsing station and leak detection as standard for maximum safety
- Fully integrated into the OMNIS Software
- Optional upgrades: 3/2-way valves, dilution station, barcode reader

6.05801.110

Switching valve 3/2, UNF kit



The switching valve 3/2 is a valve with 3 connectors and 2 switching positions. The switching valve 3/2 is available with either a valve attachment with UNF 10/32 connectors or one with M6 connectors.

It can be used for the following applications, for example:

- Anion/cation system: Control as to the channel into which the sample is injected.
- Rinsing with 2 different solutions: Control as to which rinsing solution is used.

A maximum of 3 switching valves 3/2 can be installed per sample changer.

Note: This upgrade must be installed by an authorized Metrohm service engineer.