

OMNIS IC equip.: MiPCT-ME

6.05331.130

Accessory set for Preconcentration Injection with Matrix Elimination in OMNIS IC: With this technique, samples at the ng/L level can be analyzed on the OMNIS IC. Inline Preconcentration uses a preconcentration column instead of a sample loop. When a precise sample volume is transferred to the preconcentration column, the respective ions will be retained. After enrichment of the analytes, the non-ionic components of the sample can be rinsed off the enrichment column with ultrapure water. The non-ionic sample components do not interfere with the detection of the analytes. The OMNIS Dosing Drive Unit allows calibration with only one standard solution, as the injection volume can be freely selected. The same applies to sample injection.

Prerequisites:

OMNIS IC S/M/L with OMNIS IC AS/ASCOOL, including:

- available OMNIS Dosing Drive Unit
- available OMNIS MISP 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 6.05331.130

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
		
6.02837.030	CO2 Absorber (Tube) CO2 Absorber (Tube) with a Luer adapter; protects reagents and eluents from particles and ensures consistent retention times for CO2-sensitive eluents.	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

2 PCS

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



6.2744.320

PEEK coupling M6 / UNF 10/32

1 PCS

Connecting transfer tubing (M6) with capillaries (UNF 10/32).



6.1014.200

Metrosep I Trap 1 - 100/4.0

1 PCS

The Metrosep I Trap 1 - 100/4.0 column is used to eliminate ionic, i.e. cationic and anionic, contaminants from aqueous solutions. Its use is especially recommended for the purification of the transfer water in combination with "MISP" or "Metrohm Inline Sample Preparation". Using the Metrosep I Trap 1 - 100/4.0 column can significantly reduce the influence of the transfer water on the system blank.



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.



6.01532.130

Transfer tubing 5 mL, FEP, OD 1/8"

1 PCS



Transfer tubing 5 mL, OD 1/8" for installation in the MISP unit for the transfer or short-term storage of liquids. Prevents contamination of the dosing unit.

FEP tubing is chemically inert and flexible. It has a larger inner diameter than capillaries, which means that larger liquid volumes can be conveyed faster.

Typical application:

Preconcentration technique (MiPCT and MiPCT-ME)

Dilution technique (MIDT)

6.01805.400

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

1 PCS



6.02006.110

MISP holder, trap column

1 PCS

Holder for fastening trap columns in the OMNIS MISP Unit.



6.02006.100

MISP base plate

1 PCS

Base plate for fastening T connectors in the OMNIS MISP Unit.



6.02744.020	T connector, M6 T connector for 3 M6 tubings.	1 PCS
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6.1831.180	PEEK Capillary 0.5 mm i.d., 3 m	1 PCS
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6.1831.080	PEEK capillary 0.75 mm i.d., 110 cm For Advanced VA Sample Processor	1 PCS
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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

2.1056.1110

OMNIS MISP Unit



The OMNIS MISP Unit acts as a holder and pullout for the accessories of the various Metrohm inline sample preparation techniques (Metrohm Inline Sample Preparation "MISP") and liquid handling processes. The innovative pull-out design makes it easy to insert or change accessories. As a result, they are stored in an orderly and space-saving way and integrated in the flow path. With the corresponding accessories, the following Metrohm inline sample preparation techniques can be carried out with the OMNIS MISP Unit:

- Metrohm Inline Ultrafiltration (UF)
- Metrohm Inline Dilution (MIDT)
- Metrohm inline dilution in combination with Metrohm inline ultrafiltration (MIDT-UF)
- Metrohm Inline Dialysis
- Metrohm intelligent Partial Loop injection Technique (MiPT)
- Metrohm inline ultrafiltration and Metrohm intelligent Partial Loop injection Technique in combination (UF-MiPT)
- Metrohm intelligent Preconcentration Technique (MiPCT)
- Metrohm intelligent Preconcentration Technique with matrix elimination (MiPCT-ME)
- Metrohm intelligent Pick-up injection Technique (MiPuT)
- Metrohm Inline Neutralization and Metrohm Inline Cation Removal
- Metrohm intelligent Preconcentration Technique with inline neutralization (MiPCT-NE)

Ultrafiltration or dialysis cell, transfer tubings or transfer capillaries can be used in the OMNIS MISP Unit. All trap columns available from Metrohm can be mounted with the optional MISP holder. Various connectors can be fastened to the optional MISP base plate and integrated into the flow path.