



OMNIS IC equip.: MiPT

6.05331.070

Accessory set for Partial Loop Injection in OMNIS IC: With this technique, the 250 μ L sample loop can be filled with a defined volume. The OMNIS Dosing Drive Unit, with the attached OMNIS cylinder unit, performs precise dosing steps. The intelligent partial-loop injection technique allows calibration using a single standard solution because the injection volume can be freely selected. The same applies to sample injection: a small injection volume can be chosen for a highly concentrated sample, or a larger one for low-concentration samples.

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 6.05331.070

Order Number	Description	Quantity
6.02744.010	Flangeless fitting M6, 1/8", 2 pcs Flangeless fitting for 1/8" tubing. Quantity: 2 pcs	1 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

1 PCS

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



6.1825.290

PEEK sample loop 250 µL

1 PCS

Sample loop for «Metrohm intelligent Partial loop Technique» (MiPT) and for PILS (particle into liquid sampler). With 2 PEEK pressure screws.



6.01506.120

Cylinder unit OMNIS 2 mL, UNF 10/32

1 PCS

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



6.01562.100

Transfer capillary 2 mL, PEEK

1 PCS



Transfer capillary, 2 mL, PEEK for installation in the MISP unit for the transfer or short-term storage of liquids. Prevents contamination of the dosing unit.

PEEK tubing is chemically inert and serves as an alternative to PTFE (FEP/PFA) tubing in order to prevent possible fluoride contamination. It has a larger inner diameter than capillaries, which means that larger liquid volumes can be conveyed faster.

Typical application:

Partial Loop injection Technique (MiPT)

Preconcentration technique (MiPCT)

6.01805.400

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

1 PCS



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.