



OMNIS MSM Unit

2.1056.0610

Together with a suppressor rotor, the OMNIS MSM Unit forms the Metrohm Suppressor Module (MSM). The MSM serves as a chemical suppressor in the OMNIS IC System.

In chemical suppression, conductive counterions from the eluent are replaced by ions of lower conductivity by means of ion exchange. Doing so greatly reduces background conductivity and considerably improves detection sensitivity. When used in combination with an OMNIS MCS Unit (Metrohm CO₂ Suppressor), and with the aid of sequential suppression, background conductivity can be reduced to an absolute minimum and sensitivity can be further enhanced.

Learn more about suppression: Monograph Ion Chromatography.

In addition to the suppressor rotors, an SPM rotor (Sample Preparation Module rotor) can be mounted on the OMNIS MSM Unit. In combination with an SPM rotor, the OMNIS MSM Unit is used for Metrohm Inline Neutralization. The pH value of strongly alkaline or acidic samples is neutralized to a pH value of 5 to 7.

If required, an injector or selector can be installed on the OMNIS MSM Unit instead of a suppressor rotor.

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 2.1056.0610

Order Number	Description	Quantity
1.1056.0610	OMNIS MSM Unit Together with a suppressor rotor, the OMNIS MSM Unit forms the Metrohm Suppressor Module (MSM). The MSM serves as a chemical suppressor in the OMNIS IC System. In chemical suppression, conductive counterions from the eluent are replaced by ions of lower conductivity by means of ion exchange. Doing so greatly reduces background conductivity and considerably improves detection sensitivity. When used in combination with an OMNIS MCS Unit (Metrohm CO₂ Suppressor), and with the aid of sequential suppression, background conductivity can be reduced to an absolute minimum and sensitivity can be further enhanced. Learn more about suppression: Monograph Ion Chromatography. In addition to the suppressor rotors, an SPM rotor (Sample Preparation Module rotor) can be mounted on the OMNIS MSM Unit. In combination with an SPM rotor, the OMNIS MSM Unit is used for Metrohm Inline Neutralization. The pH value of strongly alkaline or acidic samples is neutralized to a pH value of 5 to 7. If required, an injector or selector can be installed on the OMNIS MSM Unit instead of a suppressor rotor.	1 PCS



6.02842.020

Connecting piece, OMNIS MSM/SPM

1 PCS

Connecting piece with inlets and outlets for OMNIS MSM and SPM.



Optional accessories

6.2832.000

MSM Rotor A



Suppressor rotor for all IC instruments with MSM (Metrohm Suppressor Module)

6.2835.000

SPM Rotor A



Rotor for inline sample preparation with cation exchange

6.2842.000

MSM-HC Rotor A



Suppressor rotor for all IC instruments with MSM-HC (Metrohm Suppressor Module with high capacity)

6.2842.020

Adapter sleeve, MSM



Not only the MSM Rotor A but also the MSM-LC Rotor A can be installed in the rotor housing with the aid of the adapter sleeve.

6.2842.200

MSM-HC Rotor C



Suppressor rotor for all IC instruments with MSM-HC drive (Metrohm Suppressor Module with high capacity) for cation suppression.

6.2844.000

MSM-LC Rotor A



Suppressor rotor for use with 2 mm columns.

6.02842.020

**Connecting piece, OMNIS
MSM/SPM**



Connecting piece with inlets and outlets for OMNIS MSM and SPM.

6.02842.030

**Coupling nut, connecting
piece**

Coupling nut for OMNIS MSM Unit.



6.05332.040

OMNIS IC equip.: PP Reg.

Accessory set for MSM regeneration with Peristaltic Pump Unit.

Prerequisites:

OMNIS IC S/M/L, including:

– available OMNIS Peristaltic Pump Unit channel



6.05332.050

OMNIS IC equip.: DD Reg.

Accessory set for MSM regeneration with Dosing Drive Unit with STREAM setup.

Prerequisites:

OMNIS IC S/M/L, including:

– available OMNIS Dosing Drive Unit



6.05332.100

**OMNIS IC equip.: DD Reg.,
Rinse**

Accessory set for MSM regeneration with Dosing Drive Unit without STREAM setup.

Prerequisites:

OMNIS IC S/M/L, including:

– available OMNIS Dosing Drive Unit

