



930 Combustion IC DR (AJ)

2.930.9020

The 930 Metrohm Combustion IC enables the analysis of halogens and sulfur in flammable samples of all types using inline combustion digestion (pyrohydrolysis) with subsequent ion chromatography determination (Combustion IC). It comprises all required components, e.g., the Combustion Module from Analytik Jena (2.136.0700), the 920 Absorber Module, the 930 Compact IC Flex Oven/SeS/Deg, the 800 Dosino for suppressor regeneration and the MagIC Net software.

If necessary, the 930 Metrohm Combustion IC package can be supplemented with an Autosampler for solid or liquid samples (MMS 5000 Autosampler). The entire analysis, including sample input and sample digestion, is completely automated and is completely controlled by MagIC Net.

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 2.930.9020

Qt.	Order no.	Description
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Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 0.65 m).



Compact and intelligent high performance conductivity detector for intelligent IC instruments. Outstanding temperature stability, the complete signal processing within the protected detector block and the latest generation of DSP – Digital Signal Processing – guarantee the highest precision of the measurement. No change of measuring ranges (not even automatic ones) is required, due to the dynamic working range.



The 920 Absorber Module combines the Combustion Module with the ion chromatograph. The 920 Absorber Module ensures that the gaseous compounds of the analytes are dissolved and channeled to the IC. It is responsible for the entire Liquid Handling. In addition to Combustion IC, it can also be used for gas analysis.



For anion preconcentration and matrix elimination. The enlargement of the packing bed increases the capacity of the two preconcentration columns completely made of PEEK. The high capacity is required primarily when matrix effects might cause an overloading of the preconcentration column or when samples with high ionic strength are to be analyzed.



High-capacity anion column, which is used to purify the eluent flow. Even chemicals of the highest quality level, e.g. "Ultrapur" or "puriss", can still contain minimal anion contaminations. These are reliably held back by the Metrosep A Trap 1 - 100/4.0.

This column is primarily used with gradient applications.



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.



For pistons for 807 Dosing Units or cylinder units OMNIS.



1 PCS

6.1602.150

Bottle attachment / GL 45 - 3 x UNF 10/32

For the connection of 1/16 in. capillaries. Used in conjunction with MSM auxiliary solutions and in Metrohm Inline Sample Preparation.



2 PCS

6.1602.160

Bottle attachment GL 45 for eluents and reagents

For eluent, reagent, and rinsing bottles, with connectors for the adsorber tube and the aspiration tubing.



1 PCS

6.1608.050

Drying bottle / 100 mL / GL 45



2 PCS

6.1608.070

Eluent bottle / 2 L / GL 45



2 PCS

6.1609.000

Adsorbing tube, large and bent

For filling with adsorber material.

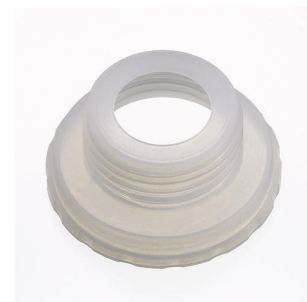


3 PCS

6.1618.020

Thread adapter S 40 to GL 45

Adapter for bottles with S40 thread (Merck...) to GL45.



2 PCS

6.1803.030

PTFE capillary 0.5 mm i.d. / 3 m

Capillary for inline dialysis, for Dialysis Unit, IC Dialysis Sample Processor, IC Liquid Handling Dialysis Unit

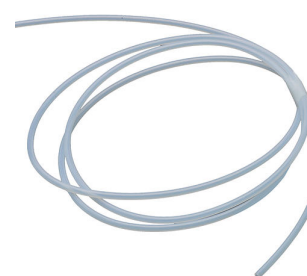


1 PCS

6.1803.130

Capillary 1/8 in. / 1/16 in. i.d. / 1.5 m

Connecting capillary from the eluent components to the Eluent Synthesizer



4 PCS

6.1803.160

PTFE capillary, 0.75 mm ID / 3 m

PTFE capillary for use with the 920 Absorber Module.



2 PCS

6.1805.040

FEP tubing / M6 / 9 cm

With light and kink protection



1 PCS

6.1808.060

T connector / M6 inner

3 M6 inner threads.



1 PCS

6.1808.280

Adapter 807 Dosing Unit Port 4, M6 inner

Adapter for using Port 4 of the 807 dosing Unit for connection with an FEP tubing / M6.



2 PCS

6.1816.080

Silicone tubing 6 mm i.d. / 2 m

Drainage tubing to the "Waste Collector".



1 PCS

6.1825.290

PEEK sample loop 250 µL

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



1 PCS

6.1831.040

PEEK capillary 0.5 mm i.d., 15 cm

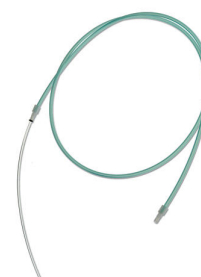
For inline dialysis. For IC Dialysis Unit, IC Dialysis Sample Processor, IC Liquid Handling Dialysis Unit



2 PCS

6.1838.020

FEP tubing connection to Absorber Module, M6, 150 cm



2 PCS

6.2023.020

Clip for SGJ 14/15

Clip for SGJ 14/16



2 PCS

6.2057.230

Dosino holder for the Absorber Module

Holder for fastening Dosinos to the Absorber Module.



1 PCS

6.2151.020

Cable USB A - USB B 1.8 m

USB connecting cable



1 PCS

6.2251.000

Colored sleeves for capillaries

Colored pieces of heat shrink tubing for capillary coding. Three pieces each of five different colors.



1 PCS

6.2421.000

Absorber tube to the Absorber Module

Absorber tube for the absorption of the combustion gases from the Combustion Module.



1 PCS

6.2621.080

Capillary cutter

Cutting tool for simple cutting of plastic capillaries, 1/16" and 1/8", including 5 replacement blades.



3 PCS

6.2744.010

Pressure screw 5x

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



1 PCS

6.2744.014

Pressure screw 2x

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



3 PCS

6.2744.080

M6 thread / UNF 10/32 adapter

With M6 outer thread. For IC instruments.



4 PCS

6.2744.090

Pressure screw long

Long version. With UNF 10/32 connection. 2 pieces. For the connection of PEEK capillaries (MCS and Sample degasser)



1 PCS

6.2744.170

Pressure screw PEEK UNF 1/4-28, 3 pieces

Fixing connecting capillaries of the eluent components at the Eluent Synthesizer



1 PCS

6.2744.200

Adapter UNF 10/32 outer / M6 inner

Connecting 1/16 in. PEEK capillaries and transfer tubing (M6)



8 PCS

6.2744.220

Screw stopper 10/32 long

For Professional IC Instruments. For sealing unused ports of degassers and MCS.

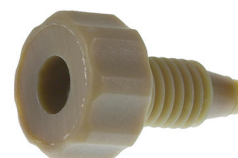


2 PCS

6.2744.350

PEEK pressure screw 14 mm, 3 pcs.

With UNF 10/32 connector. For the connection of PEEK capillaries in the Absorber Module.



1 PCS

6.2766.000

Holder for absorber tubing

Holder for fastening the absorber tubing in the Absorber Module.



1 PCS

6.2766.010

Holder for inlet valve

Holder for inlet valve to the Absorber Module.



1 PCS

6.2824.170

Inlet valve PEEK

Metal-free check valve for the inlet side of the IC pump heads of the devices 940, 930, 925, 883, 882, 881, and 850.



1 PCS

6.2832.000

MSM Rotor A

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



1 PCS

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.



1 PCS

6.3032.150

807 Dosing Unit 5 mL

807 Dosing Unit with integrated data chip with 5 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



1 PCS

6.3032.210

807 Dosing Unit 10 mL

807 Dosing Unit with integrated data chip with 10 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



1 PCS

6.5000.000

Accessory kit: Vario/Flex Basic

Basic set of accessories for a Professional IC Vario or Compact IC Flex.



1 PCS

6.5000.010

Accessory kit: Vario/Flex ONE

Set of accessories for the ONE Module (IC pump with injector) for Professional IC Vario and Compact IC Flex instruments.



1 PCS

6.5000.020

Accessory kit: Vario/Flex SeS

Set of accessories for sequential suppression (SeS) for Professional IC Vario and Compact IC Flex instruments. Without Suppressor Rotor.



1 PCS

6.1624.000

Adapter SGJ 14 for 6.1619.XXX Adsorber tube

Adapter SGJ 14. Part of 6.1619.010 for Dilution Sample Processor.



1 PCS

6.1805.120

FEP tubing / M6 / 100 cm

With light and kink protection



1 PCS

6.1829.020

FEP aspiration tube M6, 0.5 m

For Dosing Unit

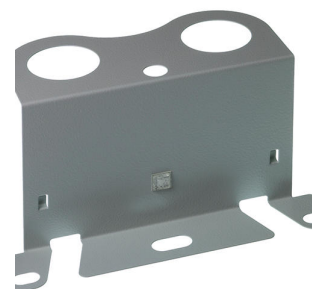


1 PCS

6.2057.210

Holder for Dosino to IC instruments

Mounting part for Dosinos at the IC instrument housing.



1 PCS

6.2821.120

Inline filter 2 µm

Inline filter 2 µm



1 PCS

6.3032.120

807 Dosing Unit 2 mL

807 Dosing Unit with integrated data chip with 2 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



Professional chromatography software from Metrohm for controlling one intelligent Compact IC instrument, one detector and one Autosampler, or one 771 Compact Interface. The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses.



Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.

MagIC Net Compact complies fully with FDA Regulation 21 CFR Part 11 as well as GLP.

MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian

With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.

1 license.

The installation and documents are supplied on a USB flash drive.

Optional accessories

Order no.	Description	
6.7301.000	Combustion tube (AJ) Quartz combustion tube for the Combustion Module.	
6.7301.100	Guide tubing for ABD (old) Guide tubing for Automatic Boat Driver of the Combustion Module (up to ABD serial number 1709 590).	
6.7301.110	Hook for ABD Quartz glass hook for quartz glass boat in the Automatic Boat Driver of the Combustion Module.	
6.7301.140	Septum 12.5 mm Septum for liquid sample port, 5 pcs.	

6.7301.150 Substrate made of quartz for liquid samples

Substrate for liquid sample injections, 3 pcs.



6.7301.160 Manual dosing syringe 100 µL

Manual dosing syringe for manual liquid sample injection



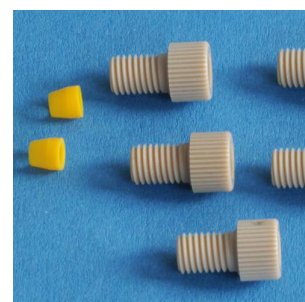
6.7301.170 O-ring 14 x 4 mm for ABD

Sealing ring for connection between ABD and quartz glass tubing



6.7301.180 Finger-Tight-Set 1/8 in.

Finger-Tight for gas connection on the Automatic Boat Driver



6.7301.190

Sluice seal for ABD

Seal for the sluice on the Automatic Boat Driver.



6.7301.210

T connector CIC

T connector after on the outlet of the oven for supplying absorption solution.



6.7301.220

Spring wire clamp 7.3 - 7.8 mm

Spring wire clamp for Fast connector



6.7301.230

Non-return tubing Combustion IC

Non-return tubing for the protection of the gas box



6.7301.240 Threader 1/16 in. Tubing Combustion IC

Threader for capillaries in the FAST connector



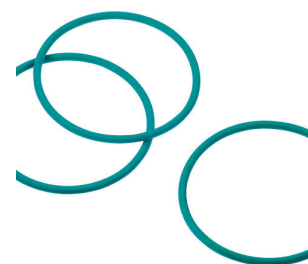
6.7301.250 Flame sensor

Flame sensor for fully automatic sample combustion



6.7301.260 O-rings for CIC rinsing vessel

Replacement O-rings for the Combustion IC rinsing vessel, 3 pcs.



6.7302.000 Kit for solid samples for MMS 5000, 35 positions

Kit for solid samples for MMS 5000 with rack for sample boats, grippers and 10 quartz glass boats.



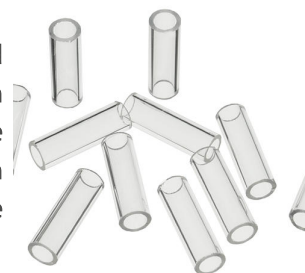
6.7302.100 Quartz boat 40 x 9 mm (AJ)

Quartz glass boat for sample injection in Combustion Module, 10 pcs.



6.7302.110 Quartz vial, 6 x 18 mm, for CIC, 50 pcs.

Sample vials made of quartz for Combustion IC. The sample vials are used when the sample contains alkali and/or alkaline earth cations which could affect the quartz combustion tube. These cations reaction with the quartz in the sample vial and are thus kept away from the combustion tube. Quartz wool (6.7302.120) is used to fix the samples in place in the sample vials.



6.7302.120 Quartz wool for 6.7302.110, 10 g

Quartz wool for fixing the sample in place in the sample vial made of quartz (6.7302.110).



6.7302.130 Ceramic boat 40 x 9 mm (AJ)

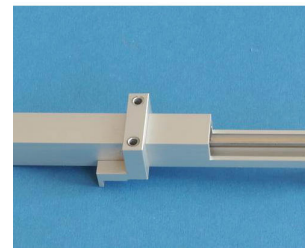
Ceramic boat for sample injection in Combustion Module, 10 pcs.



6.7302.200

Gripper for boat

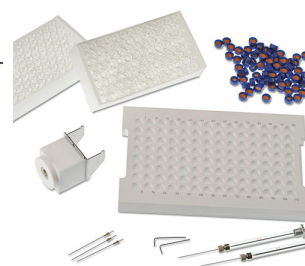
Gripper for solid changer setup MMS 5000



6.7303.000

Kit for liquid samples for MMS 5000, 112 positions

Kit for liquid samples for MMS 5000 with rack for sample vessels, 100 μ L syringe with replaceable needle and 100 snap-ring bottles.



6.7303.100

Glass vial, 1.5 mL, 100 pieces

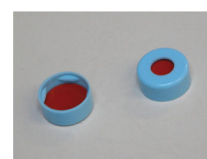
For use with the following sample changers: Liquid Autosampler CIC (TEI), MMS 5000 Autosampler (AJ) and 889 Sample Center.



6.7303.110

Septum for 67303100, 100 pieces

For use with the 67303100 Glass vial on the following sample changers: Liquid Autosampler CIC (TEI), MMS 5000 Autosampler (AJ), and 889 Sample Center.



6.7303.200 50 μ L syringe with replaceable needle

Replacement syringe for MMS 5000 liquid setup



6.7303.210 100 μ L syringe with replaceable needle

Replacement syringe for MMS 5000 liquid setup



6.7303.220 Needles for 50 μ L/100 μ L syringes, 3 pcs.

Replacement needle for syringe for MMS 5000 liquid setup



6.7303.240 Septum for rinsing vessel

Septum for rinsing vessel in the liquids kit for MMS 5000



6.7303.250

Septum to waste vessel

Septum to waste vessel in the MMS 5000 (2.136.0800).



6.7304.000

FAST connector, angled

For connections with the quartz glass tubing



6.7304.010

FAST connector, straight

For connections with the quartz glass tubing



6.7304.020

Oxygen/argon connection tubing, 2 m

Connection tubing for gas supply for the Combustion Module



6.7304.030 Oven coupling for LPG/GSS (AJ)

Connector for connecting the LPG/GSS module (AJ) to the combustion oven. For Metrohm Combustion IC.



6.7305.000 Blower vessel

Blower vessel for LPG/GSS Module.



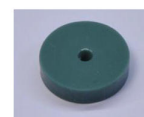
6.7305.010 Screw connector, complete, for blower vessel.

Screw connector for fastening to the blower vessel.



6.7305.020 Septum perforated for PEEK gas inlet tube

Septum perforated for transfer of the measuring gas via ABD lock.



6.7305.030 PEEK gas inlet tube for GSS/LPG

Flexible tube made of PEEK guided through 6.730.5020 perforated septum.



6.7305.040 0.5 µm filter for LPG filter unit

0.5 µm particle filter on the LPG connector.



6.7305.050 T-connector to LPG/GSS Module

T-connector with two 6/4 mm, 10 cm and 70 cm connection tubings



6.7305.060 40 µm filter for GSS filter unit

40 µm particle filter for the GSS Module



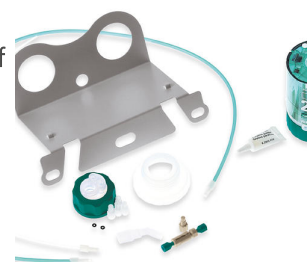
6.7301.200 Guide tubing for ABD (new)

Guide tubing for Automatic Boat Driver of the Combustion Module (ABD serial numbers starting with 1709591)



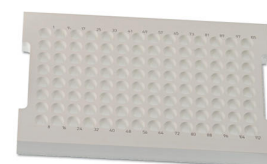
6.5330.190 IC equipment: Dosino regeneration

Accessory set for the assembly of a Dosino for automatic regeneration of the Metrohm Suppressor Module (MSM).



6.7303.310 Sample rack 112 positions for liquid samples

For liquid samples.



6.7302.310 Sample rack 35 positions for solid samples

For solids.



6.6059.406

MagIC Net 4.x Compact Upgrade to MagIC Net 4.x Professional: 1 license

Program upgrade from MagIC Net Compact to MagIC Net Professional



6.6059.407

MagIC Net 4.x Compact Upgrade to MagIC Net 4.x Multi: 3 licenses

Program upgrade from MagIC Net Compact to MagIC Net Multi



Professional chromatography software from Metrohm for controlling one intelligent Compact IC instrument, one detector and one Autosampler, or one 771 Compact Interface. The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses.



Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.

MagIC Net Compact complies fully with FDA Regulation 21 CFR Part 11 as well as GLP.

MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian

With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.

1 license.

The installation and documents are supplied on a USB flash drive.

Professional chromatography software from Metrohm for controlling all intelligent Professional IC systems, Compact IC systems and their peripherals, all detectors and the various Auto samplers, 800 Dosino, 771 Compact Interface, etc. The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses.



Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.

MagIC Net Professional complies fully with FDA Regulation 21 CFR Part 11 as well as GLP.

MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian

With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.

1 license

The installation and documents are supplied on a USB flash drive.

Client/server-compatible chromatography software from Metrohm for controlling all intelligent Professional IC systems, Compact IC systems and their peripherals, all detectors and the various Autosamplers, 800 Dosino, 771 Compact Interface, etc.

The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses. Data and method are centrally stored on a Server.



Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.

MagIC Net Multi complies fully with FDA Regulation 21 CFR Part 11 as well as with GLP.

MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian

With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.

Performance for client/server systems with servers outside the in-house company network has been improved.

Client/server version with 3 licenses

2.948.0010

948 Continuous IC Module, CEP

Automated hydroxide eluent production takes place with the 948 Continuous IC Module. Isocratic eluents can be produced and gradients can be run.

The 948 Continuous IC Module, CEP is comprised of the following parts:

- 948 Continuous IC Module
- Eluent Producer Cartridge (EPC, 6.02850.200)
- Continuous anion trap (CT, 6.02850.100)
- High-pressure degasser (H-DEG, 6.02850.000)



Example methods according to 948 Continuous IC Module manual.

6.2842.100

MSM-HC Rotor A, Hydroxide

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



6.7301.300

Ceramic combustion tube CIC AJ, complete

Ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.310

Outer tube, ceramic combustion tube AJ

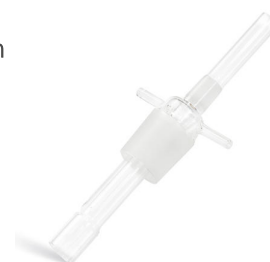
Outer tube of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.320

Connecting tube, ceramic combustion tube AJ

Connecting tube of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.330

Ceramic inlay, ceramic combustion tube AJ

Ceramic inlay of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.340

Frit, ceramic combustion tube AJ

Frit of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.350

Clamping screw, ceramic combustion tube AJ

Clamping screw of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).



6.7301.360

Union nut, ceramic combustion tube AJ

Union nut of the ceramic combustion tube for the Combustion Module (Oven + ABD, AJ).

