Eco IC Package with 919

2.925.1040

The automated introductory model for water analysis and teaching. The IC Eco Package can be retrofitted with Inline Ultrafiltration at any time. The scope of delivery includes the Eco IC, the 919 IC Autosampler plus, the conductivity detector, the Metrohm Suppressor Module ("MSM") and the MagIC Net Professional software.

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 2.925.1040

Order Number	Description	Quantity
1.850.9010	**IC Conductivity Detector** 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.	1 PCS
1.919.0020	**919 IC Autosampler plus** The 919 IC Autosampler plus fulfills the requirements of laboratories with medium sample numbers. It enables automation of the full range of Metrohm IC instruments.	1 PCS
1.925.0020	**Eco IC** Ion chromatography for everyone! The Eco IC is the entry into ion chromatography at a very affordable price. The instrument is particularly suitable for water analysis in routine operations and for training purposes at schools and universities. Included in the scope of delivery are the conductivity detector, the Metrohm Suppressor Module ("MSM") and the software. Later automation for up to 36 samples and the use of Inline Ultrafiltration are possible at any time.	1 PCS

6.1453.250

Sample beaker, plastic (PP), 250 mL, 1 piece 1 PCS

Sample beaker, plastic (polypropylene, PP), 250 mL, suitable for sample racks: 6.2041.310, 6.2041.400, 6.2041.430, 6.2041.510, 6.2041.820, 6.2068.020, and 6.2068.030, 1 piece

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6.1602.150

Bottle attachment / GL 45 - 3 x UNF 10/32 1 PCS

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

6.1602.160

Bottle attachment GL 45 for eluents and reagents 1 PCS

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

6.1608.020

Glass bottle / 1000 mL / GL 45 1 PCS

Bottle for auxiliary solutions.

6.1608.070 **Eluent bottle / 2 L / GL 45** 1 PCS

6.1609.000 **Adsorbing tube, large and bent** 1 PCS

For filling with adsorber material.

6.1803.030 **PTFE capillary 0.5 mm i.d. / 3 m** 2 PCS

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

6.1803.040 **PTFE capillary 0.5 mm i.d. / 1 m** 1 PCS

Capillary for sample handling in IC.

6.1807.010

Y-connector for tubing 6-9 mm i.d. 1 PCS

Connector for waste tubing

6.1816.020

Silicone tubing 6 mm i.d., 1 m 2 PCS

For waste tubing.

6.1826.360

Pump tubing LFL (white/white), 3 stoppers 1 PCS

For Sample Processors

6.1826.420

PharMed® pump tubing (orange/yellow), 3-stopper 1 PCS

For MSM regeneration with peristaltic pump.

6.1831.050

PEEK capillary 0.5 mm i.d., 40 cm 1 PCS

For inline dialysis and for sample changers. For IC Dialysis Unit, IC Sample Processor, Compact IC Autosampler, IC Dialysis Sample Processor, IC Liquid Handling Dialysis Unit, Compact VA Autosampler

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6.1831.060

PEEK capillary 0.5 mm i.d., 1 m 1 PCS

For inline dialysis and for Sample Changers. For IC Dialysis Unit, IC Sample Processor, Compact IC Autosampler, IC Filtration Sample Processor, IC Dialysis Sample Processor, IC Liquid Handling Dialysis Unit

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6.1831.100

PEEK capillary 0.25 mm i.d., 1 m 1 PCS

6.2023.020

Clip for SGJ 14/15 1 PCS

Clip for SGJ 14/16

6.2041.510

Sample rack, 56 x 11 mL and 1 x 250 mL (PVC) 1 PCS

Sample rack for 919 Autosampler plus, 858 Professional Sample Processor suitable for 56 sample vessels and 1 rinsing bottle. The following sample vessels and rinsing bottle can be used: 100 mL digestion tubes (CSB).

Plastic: Polyvinyl chloride (PVC)

6.2151.000

Cable USB A – mini-DIN 8-pin 1 PCS

Controller cable

6.2151.020

Cable USB A - USB B 1.8 m 1 PCS

USB connecting cable

6.2251.000

Colored sleeves for capillaries 1 PCS

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

6.2617.010

Tool for piston seal 1 PCS

For removing and assembling the piston seal for all standard pump heads

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6.2621.000

Adjustable wrench 2 PCS

Max. opening: 20 mm. For IC instruments

6.2621.030

Hexagon key 4 mm 1 PCS

6.2621.050

1/4 in. wrench 1 PCS

For 1/4 in. screws. For IC instruments

6.2621.080

Capillary cutter 1 PCS

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

6.2621.100

3 mm hex key for IC Sample Processors 1 PCS

6.2621.300

Tool set for Advanced IC Sample Processors 1 PCS

Tool set consisting of open-end wrenches and hexagon keys.

6.2739.000

Wrench 2 PCS

For tightening connectors

6.2743.057

Sample vessel 11 mL 1 PCS

200 pieces. For IC Sample Processors and VA Autosamplers.
The IC sample vessels are made of polypropylene (PP) plastic for health-care applications. Production and packaging both take place under sterile and clean room conditions (Clean Room Class 7, in accordance with DIN ISO 14644). This guarantees minimal degrees of contamination. The sample vessels are subjected to random checks for leachable anions and cations.

6.2743.077

Stopper with perforation 1 PCS

200 pieces. For IC Sample Processors

6.2743.080

Stopper for overflow (ProfIC), 5 pieces 1 PCS

For Professional IC instruments

6.2744.014

Pressure screw 2x 2 PCS

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

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6.2744.020

Luer/UNF coupling 1 PCS

For IC instruments

6.2744.034

Coupling olive/UNF 10/32, 2x 1 PCS

Connection between pressure screw and pump tubing. 2 pieces. For IC instruments with peristaltic pump.

6.2744.035

Coupling olive/UNF 10/32, 1x 1 PCS

Connection between pressure screw and pump tubing. 1 piece. For IC instruments with peristaltic pump.

6.2744.040

2 x UNF 10/32 coupling 3 PCS

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

6.2744.070

Pressure screw short 3 PCS

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

6.2744.160

Nozzle/UNF 10/32 coupling with security device 1 PCS

Security device for connecting pump tubing to a nozzle.

6.2744.180

Pump tubing connector with security lock and filter 1 PCS

For the connection of a pump tubing and a capillary with built-in filter

6.2744.210

Tubing adapter for aspiration filter (ProfIC) 1 PCS

For Professional IC instruments

6.2816.020

Syringe 10 mL with Luer connection 1 PCS

For various applications in IC and VA

6.2816.040

Purge tubing 1 PCS

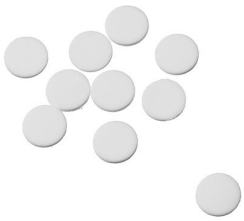
With PTFE tubing and Luer connection. For syringes. For aspirating eluents.

6.2821.090

Aspiration filter 1 PCS

Pore size: 27 µm. Set of 5 pieces. For aspiration tubing (6.1834.000, 6.01834.010) and filter tubes (6.1821.040, 6.1821.050).

6.2821.130



Spare filter for inline filter 1 PCS

Spare filter for inline filter.

6.2832.000

MSM Rotor A 1 PCS

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

6.2833.030

Needle holder 1/8 in. for 863 Compact Autosampler 1 PCS

Needle holder 1/8 in. for 863 Compact Autosampler

6.2835.010

Connecting piece to MSM and SPM module 1 PCS

Universal connecting piece for MSM in Professional IC Vario and Compact Flex instruments and for MSM-HC and SPM module. With inlets and outlets.

6.2842.020

Adapter sleeve, MSM 1 PCS

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.

6.2846.010

Sample needle made of zirconium oxide with PEEK tip 1 PCS

Sample needle for Sample Processors and Autosampler in ion chromatography. The PEEK tip guarantees secure piercing of the vial covering.

6.6059.422

MagIC Net 4.2 Professional: 1 license 1 PCS

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.

Optional accessories

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.

6.01032.410
Metrosep A Supp 17 - 100/4.0

The Metrosep A Supp 17 columns are anion separation columns for use at room temperature with a very good price-performance ratio. The Metrosep A Supp 17 - 100/4.0 enables rapid separation of the standard anions. Thanks to its great flexibility with respect to flow rates (up to 1.8 mL/min), very short analysis times can be achieved, depending on the separation problem.

6.01032.420
Metrosep A Supp 17 - 150/4.0

The Metrosep A Supp 17 - 150/4.0 separation column is the column of choice for anion determinations that require good separating efficiency and short separation times at room temperature. The maximum flow rate of 1.4 mL/min then also makes it possible to optimize the determination. The Metrosep A-Supp-17 columns convince with their good price-performance ratio.

6.01032.430

Metrosep A Supp 17 - 250/4.0

The Metrosep A Supp 17 - 250/4.0 combines high separating efficiency with a good price-performance ratio without requiring the use of a column oven. The polystyrene-divinylbenzene basic material used guarantees a long service life for the column. Complex separation tasks can be solved on this column.

6.01032.500

Metrosep A Supp 17 Guard/4.0

The Metrosep A Supp 17 Guard/4.0 reliably protects the Metrosep A Supp 17 analytical separation columns against contamination. Thanks to the "On Column Guard System", the guard column is very easy to handle. The guard column screws easily onto the analytical column. No tools are required.

6.05800.060

Upgrade Kit: IC Eco

Upgrade Kit for retrofitting the Eco IC with a pulsation absorber.

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).