

# "ProfIC Vario 7 Cation" – Professional IC Vario system with Inline Dilution and Inline Dialysis

## ProfIC Vario 7 Cation

The Professional IC Vario system with Metrohm Inline Dilution, Inline Dialysis and conductivity detection enables the fully automated determination of cations or anions (non-suppressed) that are present in high concentrations and in difficult matrices.

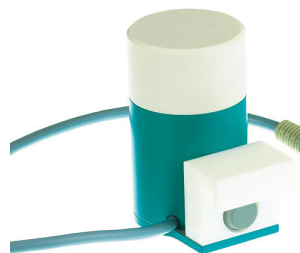



Typical areas of application:

- Process, wash and waste water
- Samples containing oil
- Inline Extraction for biodiesel analysis

## Schematic representation

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 ProfIC Vario 7 Cation

Qt.	Order no.	Description
1 PCS	2.741.0010	741 Magnetic Stirrer
		Magnetic stirrer for sample changers.
		The magnetic stirrer is located beneath the sample rack.
		
1 PCS	2.800.0010	800 Dosino
		The 800 Dosino is a drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).
		
1 PCS	2.850.9010	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	2.858.0020	858 Professional Sample Processor – Pump
		The 858 Professional Sample Processor – Pump processes samples from 500 µL to 500 mL. The sample transfer takes place either with the installed bidirectional two-channel peristaltic pump or with an 800 Dosino.
		

The 940 Professional IC Vario ONE/Prep 1 is the intelligent IC instrument without suppression in combination with Metrohm Inline Sample Preparation, e.g., Inline Ultrafiltration or Inline Dialysis. The instrument can be used with any separation and detection methods.



Typical areas of application:

- Anion and cation determinations without suppression after Inline Ultrafiltration or Inline Dialysis
- UV/VIS applications after Inline Ultrafiltration or Inline Dialysis
- Applications with amperometric detection after Inline Ultrafiltration or Inline Dialysis





Accessory set for Inline Dilution. For use with the 858 Professional Sample Processor, 800 Dosino and 741 Magnetic Stirrer.



Accessory set for rapid Inline Dialysis. For use with the 858 Professional Sample Processor and an additional two-channel peristaltic pump.



## Optional accessories

Order no.	Description	
2.941.0010	941 Eluent Production Module	<p>The 941 Eluent Production Module enables the automatic production of an eluent. It enables continuous working without manual intervention and guarantees stable retention times. It can be combined with all Metrohm IC instruments and is monitored by MagIC Net.</p> 
6.1050.420	Metrosep C 4 - 150/4.0	<p>The Metrosep C 4 - 150/4.0 is the universal standard column in cation analysis for accomplishing high separating efficiency in a short time. The Metrosep C 4 - 150/4.0 is the ideal separation column for the analysis of alkaline and earth alkaline metals in aqueous media.</p> 
6.1050.500	Metrosep C 4 Guard/4.0	<p>The Metrosep C 4 Guard/4.0 contains the C-4 column material and is used to protect all Metrosep cation columns that have a substrate based on silica gel. Particles and contamination are reliably retained, considerably prolonging the service life of the analytical separation column. The economical price is an additional plus. The Metrosep C 4 Guard/4.0 also works based on the "On Column Guard System" and is screwed directly onto the separation column with virtually no dead volume.</p> 
6.2041.440	Sample rack 148 x 11 mL + 3 x 300 mL	<p>Sample rack for 148 x 11 mL samples with 3 rinsing beakers.</p> 

6.2041.760

Sample rack 54 x 11 mL + 1 x 300 mL

Sample rack with small diameter for 54 x 11 mL sample vessels in two rows and additionally 1 x 300 mL bottle.



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6.2743.050

Sample vessel 11 mL

2000 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.



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6.2743.070

Stopper with perforation

2000 pieces. For IC Sample Processors



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6.2744.080

M6 thread / UNF 10/32 adapter

With M6 outer thread. For IC instruments.



6.2769.110

EMPTY sensor for level sensor for 2 L bottles

This sensor, mounted in the 6.1626.000 bottle attachment, results in the level sensor EMPTY for 2 L bottles. Included are two sensor rods, one aspiration tubing and two holders for fixing the tubing to one of the sensor rods.



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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.



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

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