



# "ProfIC 8 – Cation" – Professional IC System with Inline Sample Preconcentration and Matrix Elimination

ProfIC-08-Cation

The Professional IC system with conductivity detection enables the fully automatic determination of cations or anions (non-suppressed) in difficult matrices. The "ProfIC 8" with Metrohm Inline Sample Preconcentration and Matrix Elimination enables chromatography without limitation by the matrix and guarantees a long lifetime of the analytic separation column.

Schematic diagram

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-08-Cation

| Qt. | Order no. | Description |
|-----|-----------|-------------|
|-----|-----------|-------------|

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

2.858.0010

858 Professional Sample Processor

The 858 Professional Sample Processor processes samples from 500 µL to 500 mL. The sample transfer takes place either by means of a peristaltic pump on the 850 Professional IC system or with an 800 Dosino.



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.



1 PCS

6.1608.070

Eluent bottle / 2 L / GL 45



## Optional accessories

| Order no.  | Description                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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).                                                                                                                                                                                                                                                                                                |                                                                                       |
| 6.1010.310 | Metrosep C PCC 1 HC/4.0                                                                                                                                                                                                                                                                                                                                                                                           |    |
|            | For cation preconcentration and matrix elimination                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |
| 6.1014.200 | Metrosep I Trap 1 - 100/4.0                                                                                                                                                                                                                                                                                                                                                                                       |  |
|            | 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. |                                                                                       |
| 6.1050.420 | Metrosep C 4 - 150/4.0                                                                                                                                                                                                                                                                                                                                                                                            |  |
|            | 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.                                                                                                                                   |                                                                                       |

6.1050.500

Metrosep C 4 Guard/4.0

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.



6.1608.080

Bottle / 300 mL

Rinsing vessel for IC Sample Processors.



6.2041.440

Sample rack, 148 x 11 mL and 3 x 300 mL (PVC)

Sample rack for 858 Professional Sample Processor, 815 Robotic USB Sample Processor XL, suitable for 148 sample vessels and 3 rinsing bottles. The following sample vessels and rinsing bottles can be used: 6.2743.050, 6.1608.080, 6.1627.000, 6.2743.040.

Plastic: Polyvinyl chloride (PVC)



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.



6.2743.040

Vial PP, 2.5 mL, 2000 pieces

2.5 mL. 2000 pieces. For IC Sample Processors.

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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6.2743.050

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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6.3032.210

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.



6.5330.040

IC equipment for Liquid Handling with the Dosino

Accessories set for mounting a Dosino on intelligent IC instruments for Liquid Handling.



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6.5333.000

IQ/OQ Kit for IC

The IQ/OQ Kit contains all parts and standard solutions required for IQ /OQ in ion chromatography.



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6.5620.000

Connection set to 807 Dosing Unit: Port 4

For the connection of an M6 tubing to Port 4 on an 807 Dosing Unit (transition from luer to M6), including holder safety device

