



"ProfIC 1 – Cation" – Professional IC System for automated ion chromatography

ProfIC-01-Cation

Professional IC system with conductivity detection enables the fully automatic determination of cations and anions (non-suppressed). "ProfIC 1" enables the safe management of all routine tasks in ion chromatography. It is simple to use and exceptionally reliable.

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-01-Cation

Qt.	Order no.	Description
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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 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.



Optional accessories

Order no.	Description
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.



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.



6.2743.070

Stopper with perforation

2000 pieces. For IC Sample Processors



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.

