



# "ProfIC 6 – Cation" – Professional IC System with Inline Dilution and Inline Ultrafiltration

## ProfIC 6 - Cation

The Professional IC system with Metrohm Inline Ultrafiltration and conductivity detection enables the fully automatic determination of cations or anions (non-suppressed) that are present in very high concentrations and the matrix of which contains particles. The "ProfIC 6" works with Metrohm Inline Dilution and Inline Ultrafiltration. With this system, it is possible to free the sample of bacteria or inorganic particles and then to dilute it to such an extent that it can be analyzed.

Schematic diagram

## ProfIC 6 - Cation

Qt.	Order no.
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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

**2.801.0010**

**801 Stirrer**

Magnetic stirrer without stand for supplementing the Titrino plus, Dosimat plus, Titrandos, Sample Processors, 805 Dosimats and 780 /781 pH Meters. With permanently attached cable for MSB (Metrohm Serial Bus).



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  $\mu$ L to 500 mL. The sample transfer takes place either with the installed bidirectional two-channel peristaltic pump or with an 800 Dosino.



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.



**Order no.****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 + 3 x 300 mL**

Sample rack for 148 x 11 mL samples with 3 rinsing beakers.



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



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.



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.



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.

