



948 Continuous IC Module, CEP

2.948.0010

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.

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 2.948.0010

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

1 PCS

6.02850.000

High-pressure degasser

The high-pressure degasser is responsible for the elimination of the hydrogen gas that is formed during eluent production.



1 PCS

6.02850.100

Continuous anion trap (CT)

The continuous anion trap (CT-A) removes anionic contamination and carbonate from the eluent.



1 PCS

6.02850.200

Eluent producer cartridge A

The eluent producer cartridge A (EPC A) produces the high-purity hydroxide eluent from the 4 mol/L hydroxide concentrate, based on water electrolysis. The cation exchanger diaphragm enables the selective migration of cations into the eluent. The EPC A is fed ultrapure water, which can be operated fully automatically in connection with a water processing system.

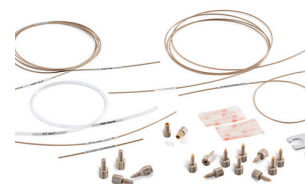


1 PCS

6.05000.300

Accessory kit: CEP

Accessory kit for installation of the 948 Continuous IC Module, CEP



1 PCS

6.2151.020

Cable USB A - USB B 1.8 m

USB connecting cable



1 PCS

6.2164.010

Power supply unit 100 - 240 V/24 V DC

Power supply unit for 915 KF Ti-Touch, 916 Ti-Touch, 917 Coulometer and all Eco Titrators / Eco Dosimat.



Optional accessories

Order no.	Description	
6.1608.040	Bottle PE / 1000 mL / GL 45 For Exchange Units. Bottle for auxiliary solutions.	
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).	

Outstanding separation properties and high-capacity – these are the things which clearly distinguish the Metrosep A Supp 19 product family from the rest of the column portfolio. It features best peak symmetries and selectivities as well as high thermal, mechanical and chemical stability, which makes it extremely robust and stable in the presence of higher flow rates and pressures.



The 150 mm version is considered the standard column for anion chromatography, as it reliably solves the lion's share of applications and is very versatile in its use. Thanks to its high capacity, the Metrosep A Supp 19 - 150/4.0 separation column is particularly well suited even for complex applications with sophisticated matrices. The range of applications of the Metrosep A Supp 19 - 150/4.0 is very versatile, thanks to its outstanding separation properties and comprises the following applications, for example:

- Determination of standard anions (fluoride, chloride, nitrite, bromide, nitrate, phosphate and sulfate) in a wide variety of water samples;
- Determination of standard anions and organic acids in complex sample matrices, e.g. environmental or food samples;
- Determination of standard anions and organic acids in boiler feed water to ensure the safe operation of power plants;
- Determination of standard anions in pharmaceutical samples.

The Metrosep A Supp 21 columns are designed for operation with hydroxide-based eluents and provide excellent separating efficiency, coupled with a very high capacity. The small particles (4.6 µm) based on hydrophilized polystyrene/divinylbenzene guarantee sharp peaks. The stationary phase exhibits high stability with respect to temperature, pressure, and pH value, and is therefore suitable for extreme working conditions.

The longer Metrosep A Supp 21 - 250/4.0 column version was specially developed for the determination of oxohalides (chlorite, bromate, chlorate), standard anions (fluoride, chloride, nitrite, bromide, nitrate, sulfate, and phosphate), und DCAA (dichloracetate). With its separating efficiency, it exceeds the requirements of the US EPA method 300.1 A+B and of the DIN EN ISO 10304-1&4 standard. The high column capacity enables the quantification of anions and oxohalides in low µg/L concentrations with excellent reproducibility, even in the most challenging sample matrices. With the wide range of elution conditions available, it is also possible to determine other anionic components, e.g. low-molecular-weight organic acids.

