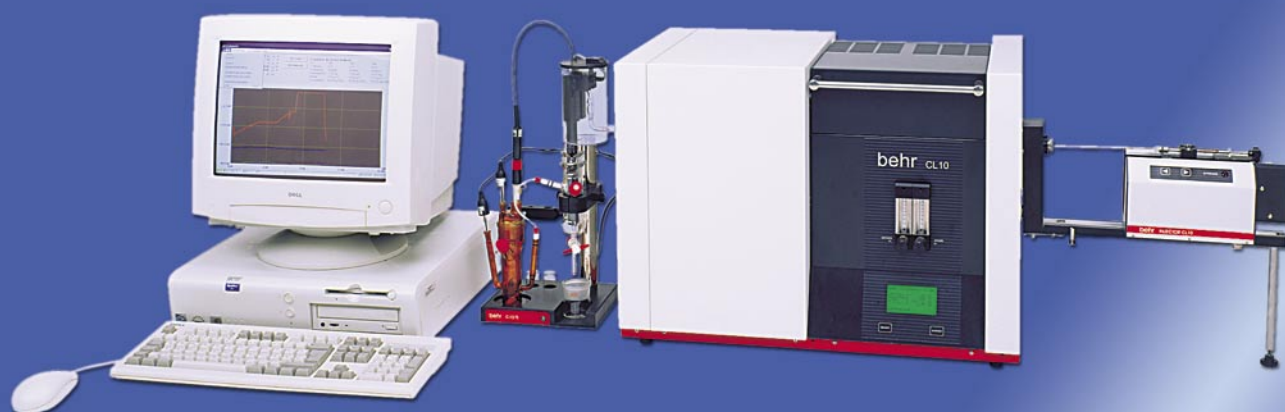


## behr CI 10 Analyser for the Microcoulometric Determination of Total Chlorine and Organic Chloride Content

in accordance with ASTM D 4929 and EPA 9076 etc.



# behr Cl 10: Better Technology for Better Results

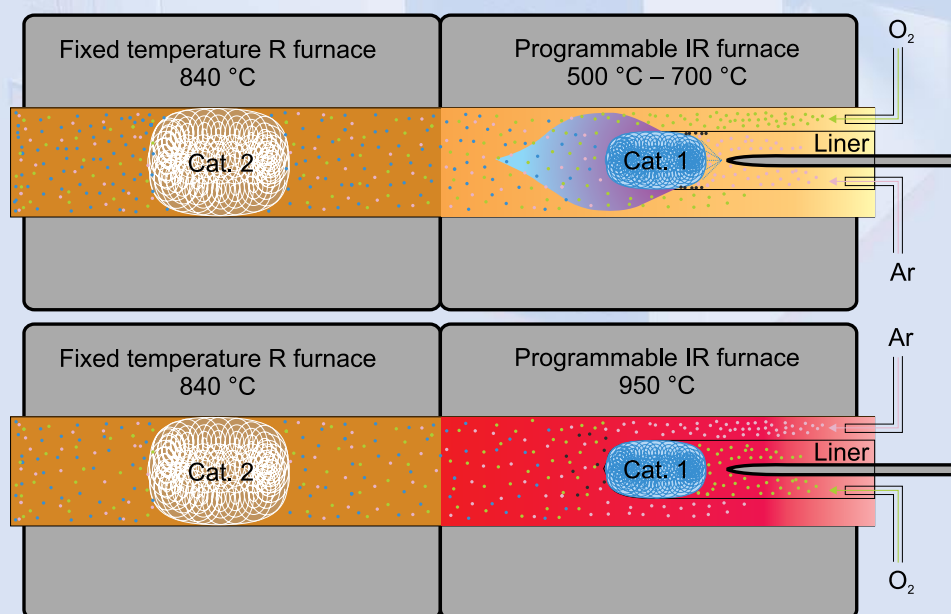
## The Technology

The behr Cl 10 coulometric analyser for chlorine comes with a unique combination of features:

- Sample port and injector for solid, semi-solid and liquid samples.
- Programmable infra-red furnace and fixed temperature resistance furnace.
- Switchable gas flow.
- Injector with special liner tube for liquid samples.
- Invariable an exact sample positioning for solid samples.
- Possibility to use an additional catalytc in the resistance furnace.
- Visible and easily accessible detection unit.

## The Results

- By combining appropriate programmes and temperatures in the furnaces, the analyst can handle even the most difficult sample material.
- By changing the sample port for an injector the combustion of oils of different viscosity as well as oils containing sludges and sediments is possible.
- Injecting a liquid sample into a liner with catalytc, switching the gas flow and raising the temperature of the IR furnace plus using a second catalytc in the



resistance furnace provide for a flawless and complete combustion of the sample, without sooth or pyrolysis. With reliable and exact results as an immediate consequence.

- Because of low detection levels the behr Cl 10 analyser is perfect for trace analysis.
- Low costs: Possibility to replace the injection liner obviates the need to exchange the expensive combustion tube.
- The visible and easily accessible detection unit facilitates cleaning and maintenance.



The behr Cl 10 coulometric analyser for chlorine is in accordance with

ASTM D 4929-99 Standard Test Methods for Determination of Organic Chloride Content in Crude Oil  
Test Method B: Combustion and Microcoulometry

EPA 9076 Test method for total chlorine in new and used petroleum products by oxidative combustion and microcoulometry

Injection volume: 50  $\mu$ l ... 500  $\mu$ l  
Detection limit: 0.1  $\mu$ g Cl- abs.  
Analytical range: 0,1  $\mu$ g ... 50  $\mu$ g Cl abs.  
Gases: Oxygen and inert gas (argon, nitrogen)

