

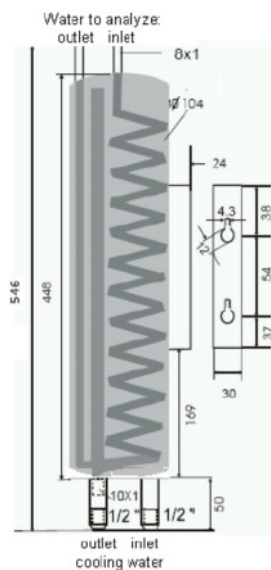
DATA SHEET

Automatic Cooler up to 120 °C

Order number: 880540

The Cooler is used for automatic sampling of water samples up to 120 °C that must be cooled down to ambient temperature for analytic proposals.

The hot water is thereby cooled by a flow of cold water before analysis.



Cooling performance regulation:

The flows of hot and cold water must be adjusted by a control valve. This control valve (not in range of equipment, see accessories on page 2) must be mounted at the input of the respective water.

When commissioning first the cooling water valve and then the hot water valve must be opened. The valves must be regulated in a way that the temperature of the hot water reaches the required temperature for the analysis (usually <math><40\text{ }^\circ\text{C}</math>).

It is recommended to use non recycled water for cooling.

There must be no control valve mounted in the outlet of the hot and / or cold water. The cooling water must have a free run to the canal.

Connection for online analyser:

Some analyzers (e.g. **TESTOMAT® 2000**) can turn on a signal before the actual analysis. With this signal, a solenoid valve can be opened for the input of the cooling water. After a programmable delay time (cooling time) the actual analysis takes place. Until the end of the analysis the solenoid valve remains open and closes after the washing out of the measuring chamber.

With this system a continuous cooling water consumption is prevented.

Technical data:

Max. water pressure / hot water	16 bar
Max. water pressure / cold water	8 bar
Max. hot water temperature	0 - 120 °C
Dimensions	546 x 128 mm
Weight	2,3 kg
Hydraulic link	
- Cold water inlet	1/2"
- Cold water outlet (drain)	1/2"
- Hotwater inlet	8 mm
- Hotwater outlet	8 mm
Length of cooling spiral	5,1 meters
Materials	Steel titanium 1.4571 AISI316Ti4, EN 1.4571 (mounting bracket: AISI316L, EN 1.4404)
Temperature Lowering (e.g. For Online Analyser)	< 40 °C (with cooling water < 25 °C and a waterflow to analyse approx. 12 liter per hour)
Fluid Classification	Class 2 - not dangerous fluids
Equipment classification (according to PED 97/23/CE)	Class A

Accessories:

Hot water valve	Regulator valve (with red label)
Order number : 880543	Connection: 8 mm, length: 70,5 mm
cold water valve 1/2"	Regulator valve (incl. set of valve caps -green, blue, red-)
Order number : 800025	Connection: 1/2", length:70,0 mm