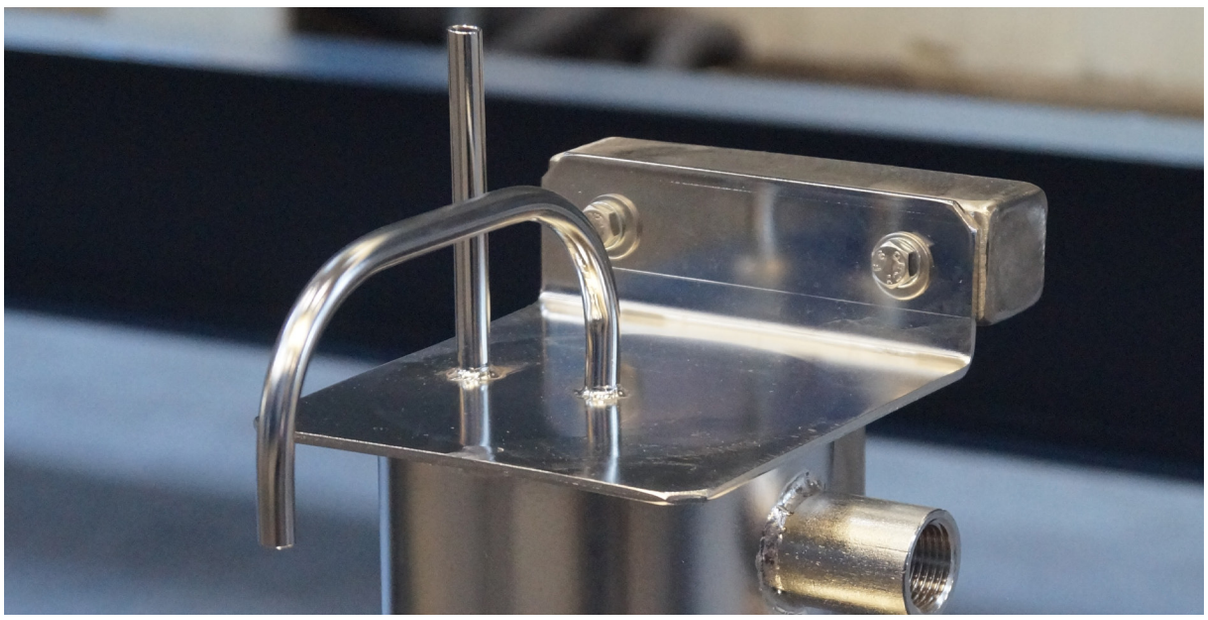
NESSessities



NESS *Sample cooler (NPK40)*

Professional sampling for accurate analysis results

Hot fluids such as thermal oil, hot water, boiler water or feed water must be regularly sampled and analyzed. For the analysis, it is most important to obtain a representative and accurate sample. Thus the sample must be taken from a characteristic point of the hot flow.

An open hot sample, however, changes its composition when cooling down in an open container. Volatile components of the sample which boil below the sample temperature evaporate from open sample containers.

In the closed NESS Sample cooler, the sample is cooled with water and ensures a representative and accurate sample.

Your advantages at a glance

- Representative sample
- Easy installation
- Low maintenance
- Increased safety

An oil analysis must be carried out regularly

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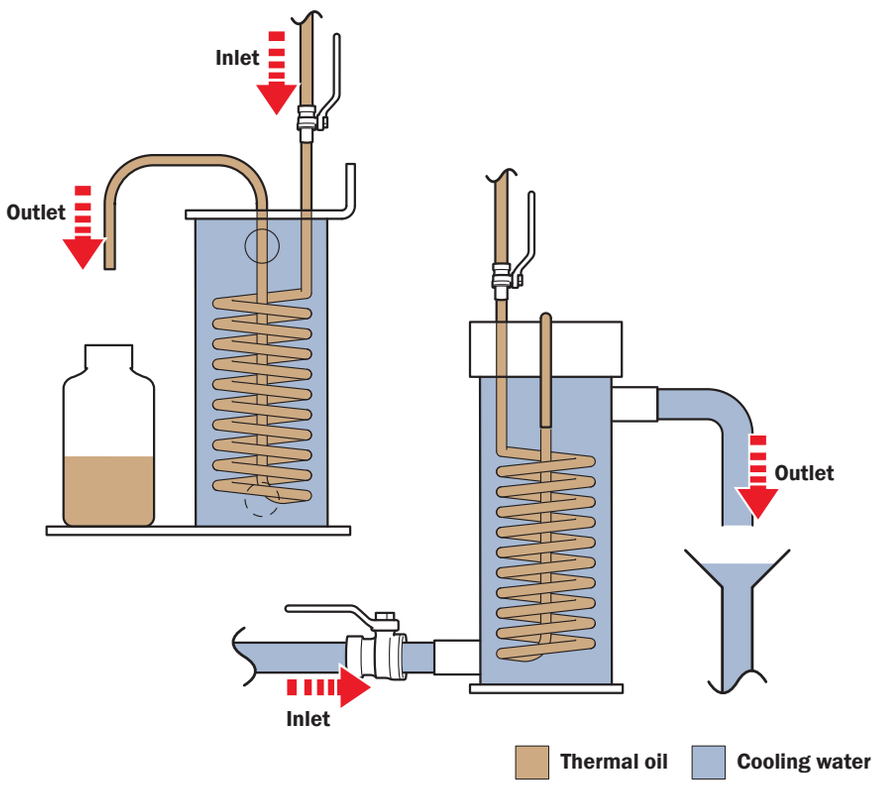
Functionality Sample cooler:



Knowing the condition of the fluid helps to make the right decisions

#1 An exact sampling leads to an accurate status determination

#2 Purposeful decisions can be made on a detailed analysis

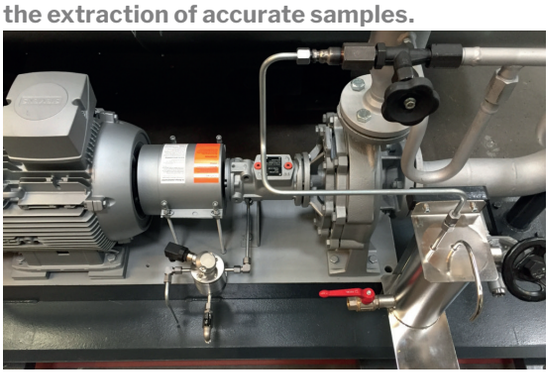
Schedule or retrofit a sampling point

The sampling connection can be installed either before system start-up or on a pressure gauge valve using a T-connector.

After installation to the system, the cooling water with a temperature of 5 °C / 41 °F to 30 °C / 86°F is connected to the cooling water inlet valve. The used cooling water exits via the open drain pipe.

The Sample cooler has a wide range of applications: Max. sample temperature 400 °C / 752°F inlet pressure 40 bar

The NESS Sample cooler NPK40 cools the sample liquid with cooling water and helps in the extraction of accurate samples.



Connected Sample cooler (NPK40)