



HEAT EXCHANGER FOR CUTTING FLUIDS



**FLUID
COOLERS
FOR MACHINE
MANUFACTURERS**

ISO 9001:2015
certified Quality
Management System

MADE IN ITALY



Nominal power output from 5 to 200 kW.

Available for emulsion or whole oil.

Available in **BASIC** version (connection to a dedicated chiller and with **NECOS** system), **EVO** version complete with three-way valve (connection to end user's water network) and valve protection filter.

Inspectable **AISI 316**-plate heat exchangers.

Fixed set or differential temperature controller depending on the environment.

Metal structure with base lifting system and fixing plate.

Electrical panel in **IP 54** metal box. **24 Vdc/ac** power supply with **6-pole M+F** connector.

Epoxy-polyester powder coating, color **RAL 5002**.

The skills and the experience gained by Euro Cold during its over 35 years of experience in the field are at your disposal.

Our power is our ability to respond to the needs of mechanical and industrial systems 'manufacturers which are rapidly and constantly changing.

Do not hesitate to contact us in order to provide you with the most adequate solution to your specific temperature control needs.

WHAT IS AN SFT EXCHANGER AND HOW IT WORKS

SFT exchangers are used for the cooling of fluids with polluting particles in suspension, by means of a heat exchange between the two fluids; they are therefore installed on filtration systems for cutting fluids on machine tools.

The impure fluid and the heat transfer fluid exchange heat energy between them through the exchanger. The exchange of energy takes place via a **water-cooling system** and allows the heat generated by various sources in a filtration plant to be removed. In order to control the temperature of the cutting fluid, a temperature controller drives a three-way valve that not only keeps the temperature value controlled, guaranteeing thermal stability within $\pm 1^{\circ}\text{K}$, but also optimizes the amount of chilled water required, minimizing energy consumption.

Everything is managed by an electrical panel whose degree of protection and the materials used are suitable for any environment of use, especially in the presence of oily mists (ATEX version not available today).

Easy to install, it is the perfect environmentally friendly solution to meet the increasingly stringent regulations limiting the use of polluting refrigerant gases (F-Gas Reg. 573/2024).

Two versions are available: **SFT-E** for emulsion and **SFT-O** for whole oil.



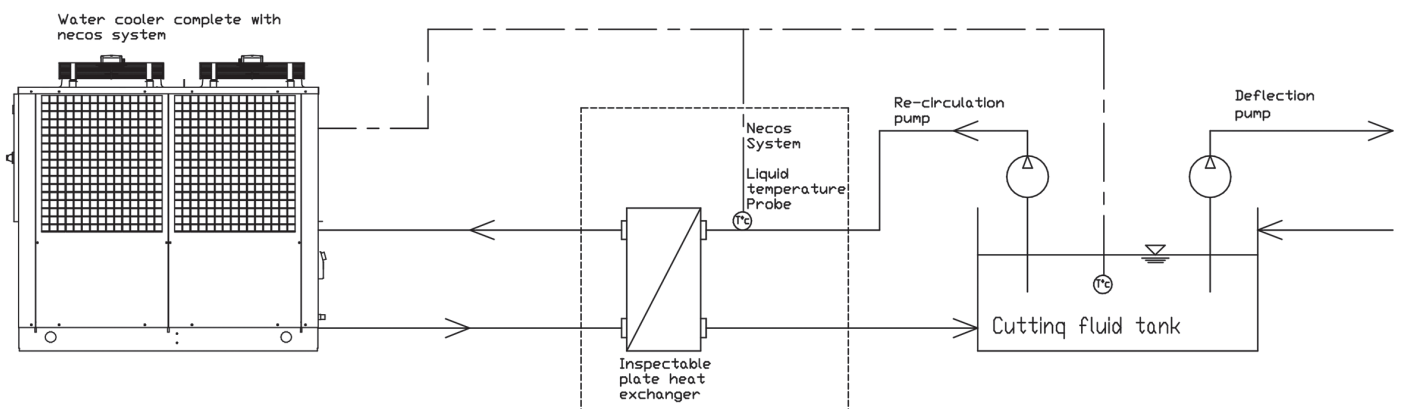
HEAT EXCHANGER FOR CUTTING FLUIDS

SFT

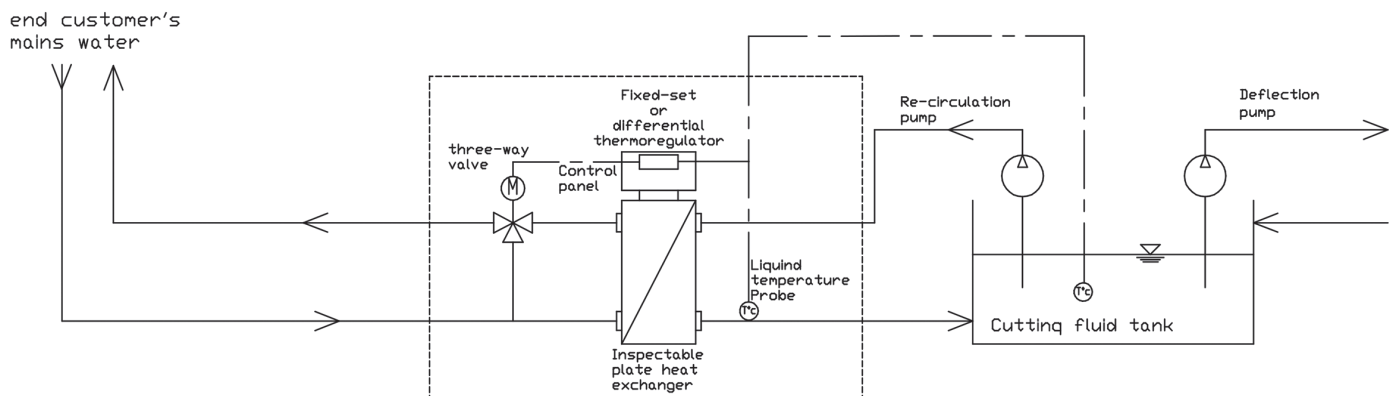


TECHNICAL DATA

SFT BASIC



SFT EVO



EURO COLD srl (Headquarters)
Via Aldo Moro, 11/E - 41030 Bomporto (MO) Italy
Tel. +39.059.817.8138
info@eurocold.it - eurocold@hersypec.it
www.eurocold.it

EURO COLD C.S. GmbH
Im Speiterling 12 - Kelttern 75210, Germany
Tel. +49.7236.981.048 - Fax +49.7236.981.113
vertrieb@eurocold.de
www.eurocold.de

