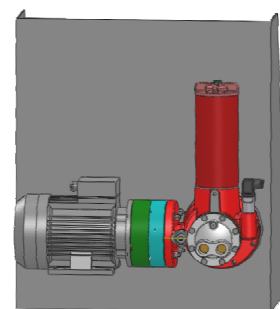
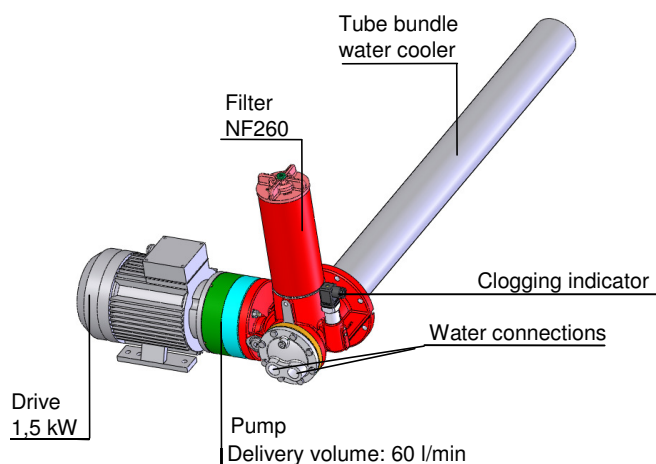


# Function Integration „FCI – Filter Cooler Industrial“

## Description

The patented function integration „FCI“ now enables a combination of pump, drive, filter and cooler in a compact unit ready-to-install. Pump unit and cooling unit are directly flanged to the filter avoiding an additional piping and giving more available space. Hence these possible leaking interfaces can be eliminated.

During installation the multifunctional unit enables a practice related construction and a very special easy handling: use the flange for smooth installation into the tank, electrically attach drive and indicator, connect the water supply and you're ready to go, just as easy as „plug and play“!



Installation into the tank

## Advantages

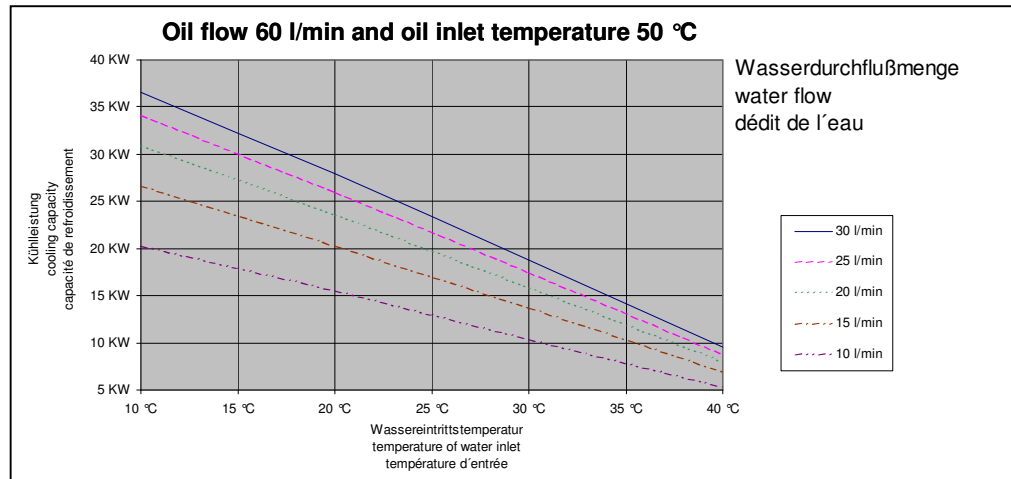
- **Cost-effective and compact design,** since no additional tube between filter and cooler is required.
- **Guaranteed system cleanliness,** due to separation with high performance filter.
- **Optimum element change point is indicated,** by a differential pressure clogging indicator on the filter.
- **Thermal economy is under control,** due to the cooling with a 4-port tube bundle cooler.
- **Easy handling,** as only one compact unit, ready-to-install.
- **Optimum cooling performance at lower coolant volume** due to dual flow conditions.
- **In case of offline operation: Continuous filtration and cooling of the tank content**
- **Service friendly,** due to central cap and filter element change from the top without any leakages.
- **Cooling efficiency over 30 kW and cleanliness < 13/10/7 is realized,** due to a delivery rate of 60 l/min.

## Application

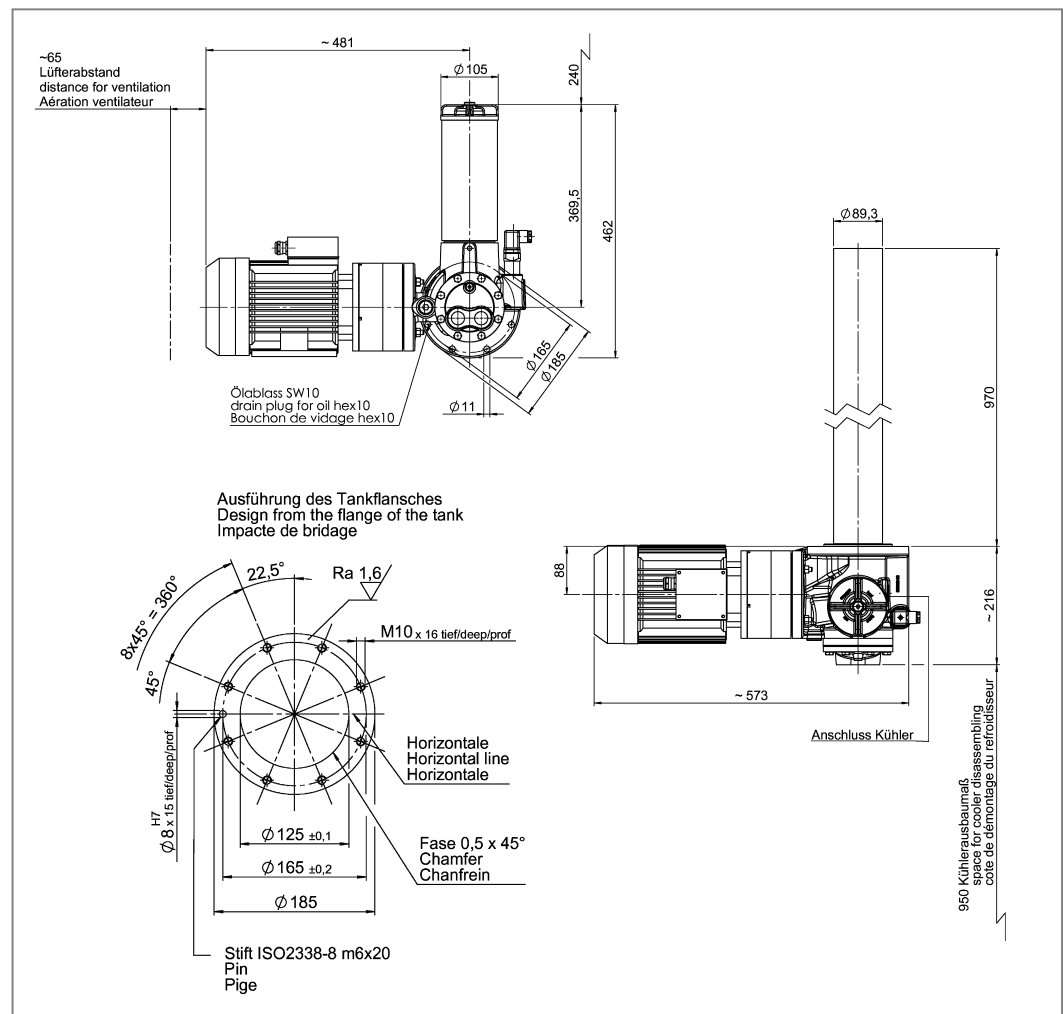
Offline and return line of plastic injection molding machines, machine tools, molding presses, die casting machines, industrial gearboxes etc.

## Function Integration „FCI – Filter Cooler Industrial“

### Cooling Efficiency



### Dimensions



### Further Information

For further information on the function integration „FCI“ please contact the technical sales department of Hydac Filbertechnik.

**HYDAC**  
**FILTERTECHNIK GmbH**  
Industriegebiet  
**D-66280 Sulzbach/Saar**  
Telefon  
+49 (0)6897 - 509-01  
Telefax  
(Vertrieb)  
+49 (0)6897 - 509-300  
Internet: [www.hydac.com](http://www.hydac.com)  
eMail: [filter@hydac.com](mailto:filter@hydac.com)