Fine oil filter

CTOF series

COOLTECH FINLAND OY
INDUSTRIAL REFRIGERATION MACHINERY

Fine filter is designed to remove foreign mechanical particles that develop during operation of the unit from the oil.
Industrial oil filter works with various oils and refrigerants, the main feature of these filters is the ability to work with highly polluted environments. The filter filters oil from metallic particles remaining in the inner cavities after mounting of the unit (eg metal chips, scale) with a magnet. Other particles with polarity, for example, particles formed by means of galling and excessive ware are also attracted by magnets. The liquid passes through the filter element in the direction "from inside to outside" and all the debris are collected in the filter insert. The filter does not have an internal bypass.

Advantages

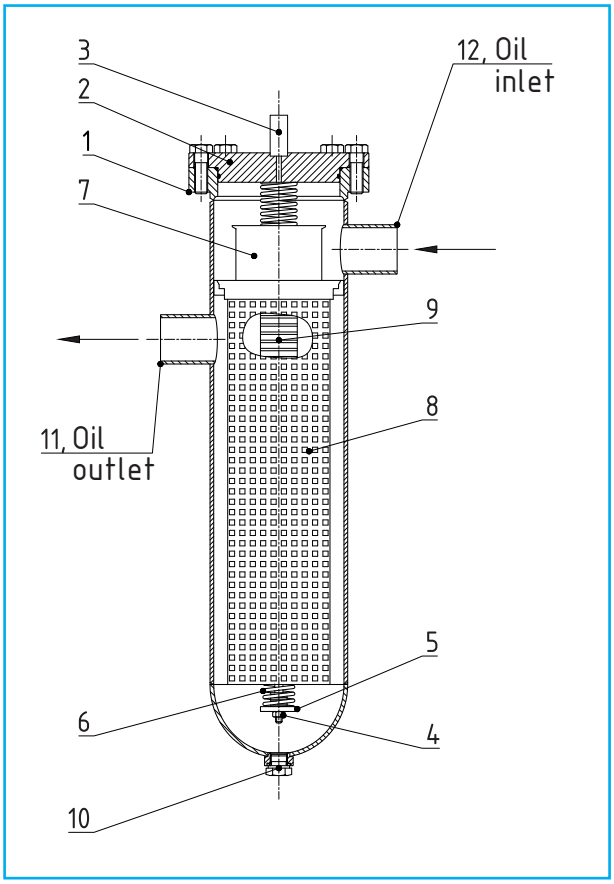
- Filter surface has a larger area, the endurance of the filter is increased by several times, consequently, the filter insert is to be replaced less frequently.
- The relative simplicity of design, convenience of examination and replacement of the filter element.
- Minimum resistance to the moving oil stream.
- There is a service valve for ease of maintenance.

Technical specification

- Operating temperature range: from -40 to +120°C
- Maximum operating pressure 20 bar (peak 25 bar)
- The filter insert has separating capacity of 10 and 25 micron

Design

1. Filter housing
2. Filter cover
3. Service valve
4. Locknut
5. Pressure washer
6. Spring
7. Magnets mount
8. Filter element
9. Magnets
10. Drain plug
11. Outlet pipe
12. Inlet pipe



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