Self cleaning filters

SCAMATIC Filter

Application:
A filter for low viscosity self-lubricating liquids (cutting liquid, fuel).

Filtration grade:
10 µm to 100 µm.

Pressure:
Up to 20 bars according to 97/23/CE european directive.

Flow rate:
0.5 m³/h to 80 m³/h

Main avantages:

→ Continuous self-cleaning, the filter cartridge is totally cleaning every 15 seconds.
→ No external power source.
→ Tangentiel effect.
→ Compact design.

Working principle:
The filter assembly is composed of a cylindrical cartridge including lengthways grooves.
A perforated metal sheet is attached and is used to hold the filtering "corset" with a filtration grade of 20 µm to 100 µm.
The cleaning is continuous with an internal hydraulic motor. At first Flap B nears Flap A rapidly and causes a violent backwash fluid through one sector of the "corset". During the next phase, Flap A slowly clears Flap B causing the next sector of the "corset". The solids fall to the bottom of the filter where they are extracted by cyclical draining.
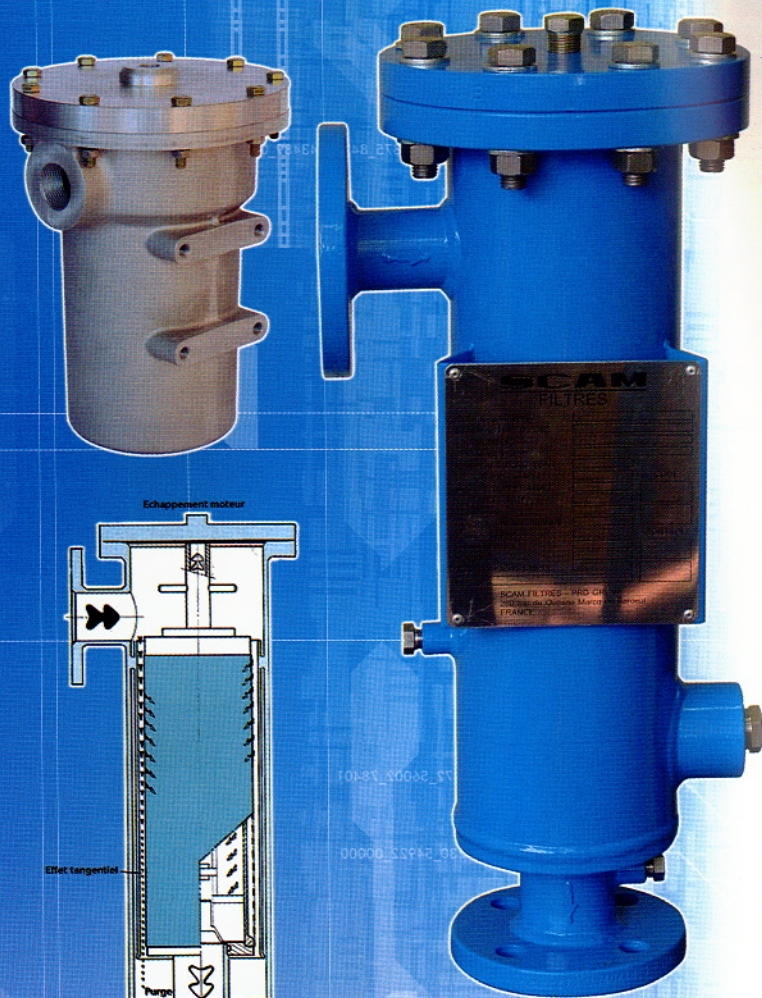
FTL, FTL MV, FTL CC Filters

Application:
River water, canal water and drilling water filtration.
Water filtration in the protection of circuits: emptying pumps.
Spraying water, conditionning...
Upstream wats filtration treatmend or ultrasound.

Filtration grade:
50 µm to 250 µm: FTL CC.
250 µm to 500 µm: FTL MV.
500 µm - 1.000 µm: FTL Standard.

Pressure:
3 to 20 bars according to 97/23/CE European directive.

Flow rate:
20 m³/h to 4.000 m³/h and more if required.

Main avantages:

→ In general the diameter of the filter corresponds to the diameter of the piping to which it is installed.
→ Automatic flishing **without** interrupting the process.
→ High reliability: **no moving part** in the filter.
→ Mountable in every position.
→ Economic - automatic - no maintenance.

Working principle:
Cross flow filtration and stainless steel v-shaped medium.