

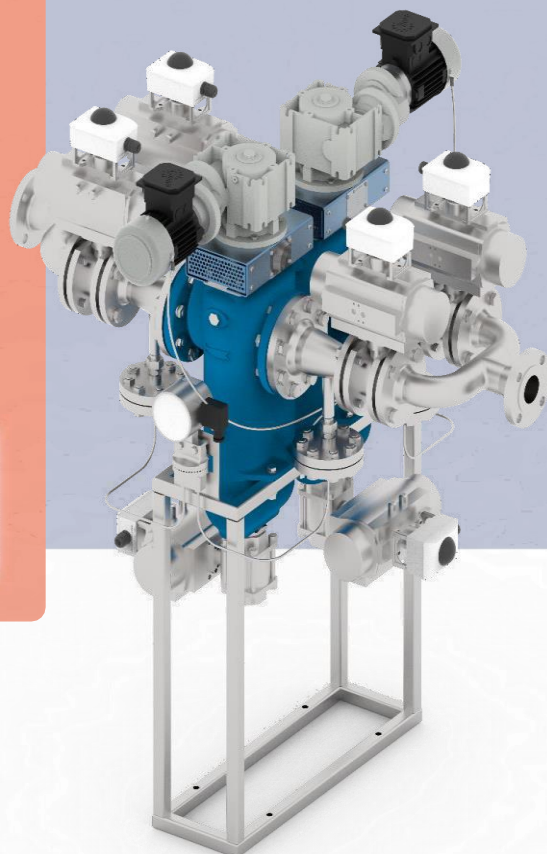
Self-cleaning filtration



# SCAMDISC

French manufacturing

- Filtration of viscous products: fuel oils, tars, glues, oil residues, paints, resins, molasses...
- Continuous self-cleaning systems without interruption of the flow to be filtered
- Reduced maintenance and operating costs
- Interchangeable and re-conditionable filter element
- Low pressure drop
- Standard and custom-made range



## CONFIGURATION

- **Manual or Automatic**
- **Single or Multi-element**
- **Aspiration and discharge operation**

## TERMS OF SERVICE STANDARD\*

**Min. filtration threshold** 50µm

**Flow rate** 0 to 50 m³/h

**Temperature** 0 to 90°C

**Max. pressure** 10 bar

**Viscosity max.** 600 cSt

\* If your process conditions exceed these limits, we will study your specific needs and provide you with a tailor-made study.

## BUILDING MATERIALS

### Filter housing

Cast iron, bronze, carbon steel and stainless steel

### Filter element

Carbon steel, stainless steel

### Seals

On request

## EQUIPMENT (Standard or Atex)

**Standard or special control box on request**

### Drain valve

Pneumatic or Electric

### Differential pressure gauge

With or without separator

### Various equipment on request

Isolation valve, Insulation, Temperature measurement, etc...

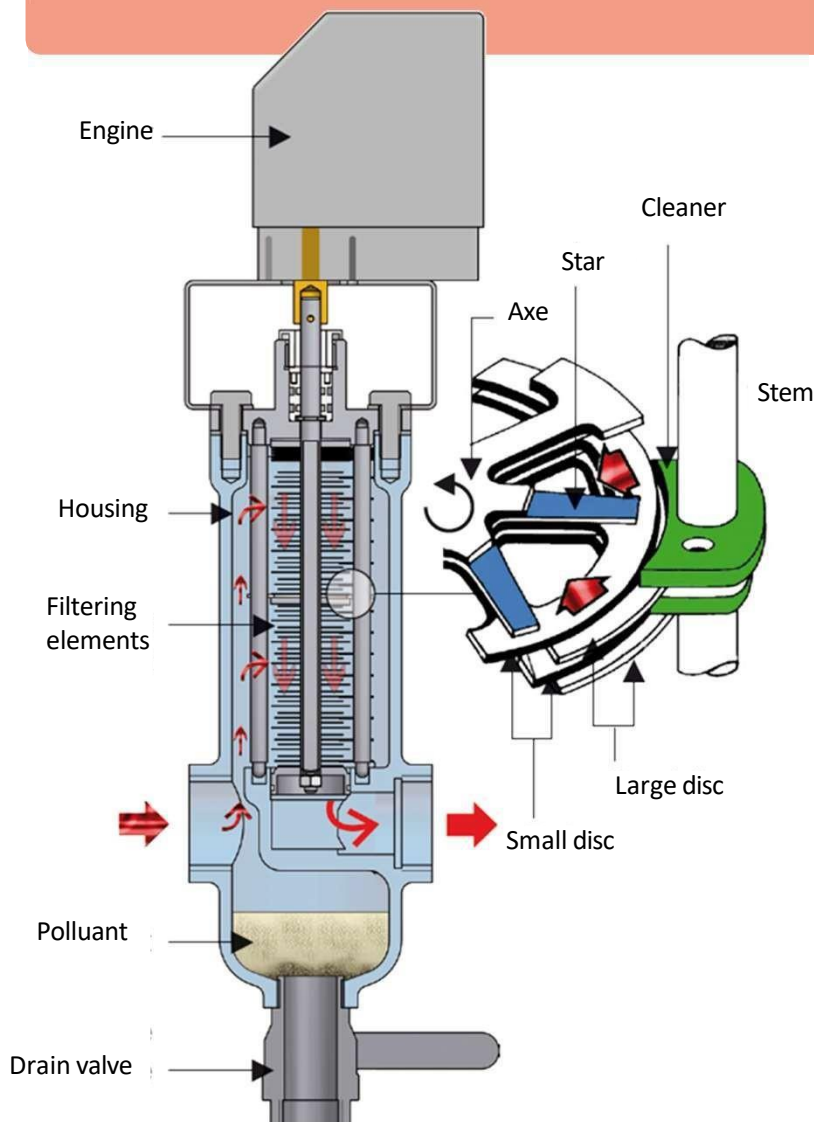


Complies with the European Directive 2014/68/EC

# FILTER OPERATION



- The filtering element is a stack of metal discs separated from each other by wedges (stars) whose thickness sets the filtration threshold.
- When the fluid passes between the discs, the solid particles it contains and of a size greater than the filtration threshold are therefore stopped on the outer periphery of the discs.
- The stack of discs is rotated (manually or motorized) allowing the cleaners to scrape the periphery of the discs and thus dislodge the pollutants.
- Draining the filter allows contaminants to be removed; its frequency is determined according to the quantity of pollutants contained in the fluid.



**PETROCHEMICALS**



**HEATING CIRCUITS**



**CIMENTERIE**



**GLASSWARE**



**ENERGY**



**OIL & GAZ**

# STANDARD RANGE

Viscosity (cSt)	Flow rate L/h		
	34-135 50μ	34-135 250μ	34-135 500μ
Water	2900	5000	5400
21 to 53	2720	4800	4350
53 to 115	2020	4000	4100
115 to 190	1090	3000	3120
190 to 305	640	2600	2800
305 to 406	470	2000	2200
160 to 610	280	1600	2000



Viscosity (cSt)	Flow rate L/h		
	52-192 50μ	52-192 250μ	58-192 500μ
Water	7000	15500	16000
21 to 53	5500	14000	14500
53 to 115	3800	10600	13000
115 to 190	1700	7900	11700
190 to 305	1150	6450	11000
305 to 406	800	4600	8800
160 to 610	600	3700	8000

Viscosity (cSt)	Flow rate L/h		
	2MF52-256 50μ	2MF52-256 250μ	2MF58-256 500μ
Water	18620	41230	42560
21 to 53	14630	37240	38570
53 to 115	10108	28196	34580
115 to 190	4522	21014	13122
190 to 305	3059	17157	29260
305 to 406	2128	12236	23408
160 to 610	1596	9842	21280







**Scamfiltres**  
by pemflow

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