



CSF-FD Self-cleaning Wedge Wire Filter

Function

The COLF (Contec Liquid Filters) wedge wire filter is solidly built and may be used for the toughest applications.

The filter consists of the following parts:

- Filter Housing (single piece)
- Cleaning scrapper blade unit with wiper
- Gear Motor with lid
- 3-legged foot stand (has to be fixed to floor)

The liquid flows from the outside of the filter element and the solids are collected on the outside of the wedge wire screen.

The cleaning process is as follows:

The gear motor turns the cylinder shaped filter cartridge and the scrapper blade removes the solids from the surface. The solids remain in the lower parts of the filter housing. When the valve is open will the solids be pressed outside by the pressure in the system.

The collected solid may be purged:

- Manually: by opening and closing of ball valve
- Automatic: by time controlled valve
- Automatic: with electronic controller (with differential pressure monitoring)

Benefits

Maintenance and cleaning of filter is fast and easily done. Only four eye screws have to be removed to take out the lid (with motor) and scrapper blade unit. The inside of the filter unit can be cleaned without any problems. Inside surface of Filter can be polished as an option.

Features

- Fast and easy cleaning of clean- and dirt room
- No tools needed for removal of scrapper blade
- No cartridge disposal
- Minimum product loss during output of solids
- Easy Filter cartridge dismount
- Self-cleaning without interruption of production process
- Suitable for nearly all fluids
- High differential pressure stability
- Solidly built single piece filter housing

Applications

- | | |
|------------------------|---------------------------|
| • Paint and Varnish | • Emulsion |
| • Dispersions | • Electrophoresis varnish |
| • Print Colours | • Chocolate mass |
| • Undercoating | • Softening agents |
| • Adhesive | • Polyurethane |
| • Tar products | • Cooling liquids |
| • Solvents | • Yeast |
| • Mineral oil industry | |

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Wedge Wire Filter CSF 700-FD



Scrapper blade unit with wiper



CSF-FD Self-cleaning Wedge Wire Filter

Technical data

Material

Filter housing	Stainless Steel 1.4571
Filter Cartridge	Stainless Steel 1.4435
Scraper Blade	Stainless Steel 1.4310

Gasket

Viton O-Ring/PTFE

Micron Size

25 – 3.000 µm

Operating pressure

10 bar standard
16 bar as option

Operating temperature

80 °C
Up to 180 °C as option

Motor

Screw-Drive Gear Motor

Voltage

400 V, 50 Hz
Special voltage on request

Class

IP 65,
EX-proof on request

Manufactured acc. pressure vessel directive 2014/68/E Cat. 1, Art. A

Order Code

CSF



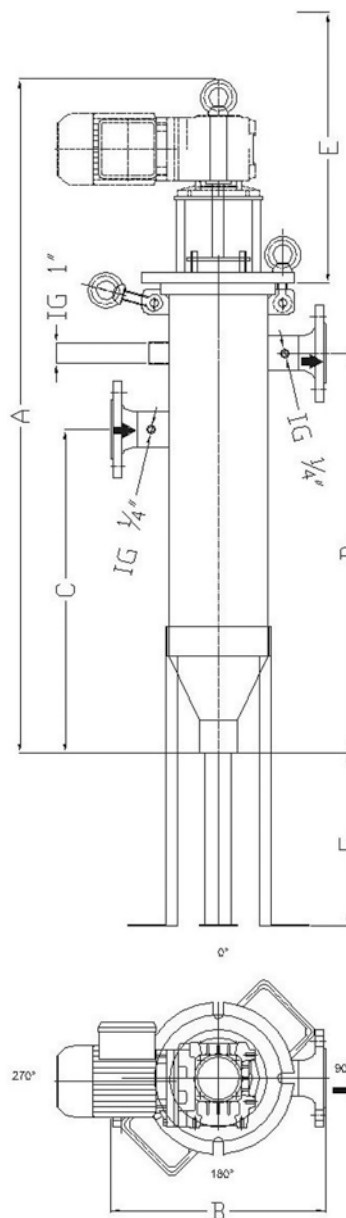
-FD

Flange

700 = DN65

1000 = DN80

Order sample: CSF 700-FD



*Foot leg has to be fixed to floor

Technical data

Type	CSF700-FD	CSF1000-FD
Flow Rate Efficiency	25 m ³ /h*	35 m ³ /h*
Flange Inlet	DN65	DN80
Flange Outlet	DN65	DN80
Drain	R 2" Female	
Vent, Flush	R 1/8" included in Lid (Vent), R 1" (Flush)	
Closure	Folding Screws	
Installation Dimension A	1145	1200
Dimension Flange B	365	465
Dimension Flange C	550	560
Dimension Flange D	680	710
Expansion Dimension E	580	700
Dimension Floor to Housing F	0 – 250	0 – 220
Volume Liter	15	26.5
Option Housing with brackets		

* based on water and 100 micron