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 toughhest applications.

The filter consists of the following parts:
- **Filter Housing (single piece)**
- **Cleaning scrapper blade unit with wiper**
- **Gear Motor with lid**
- **3-leged 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 the solids will 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 easyly 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
- Dispersions
- Print Colours
- Undercoating
- Adhesive
- Tar products
- Solvents
- Mineral oil industry
- Emulsion
- Electrophoresis varnish
- Chocolate mass
- Softening agents
- Polyurethane
- Cooling liquids
- Yeast

Wedge Wire Filter CSF 700-FD

Scrapper blade unit with wiper

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contec:
clean solutions on demand®

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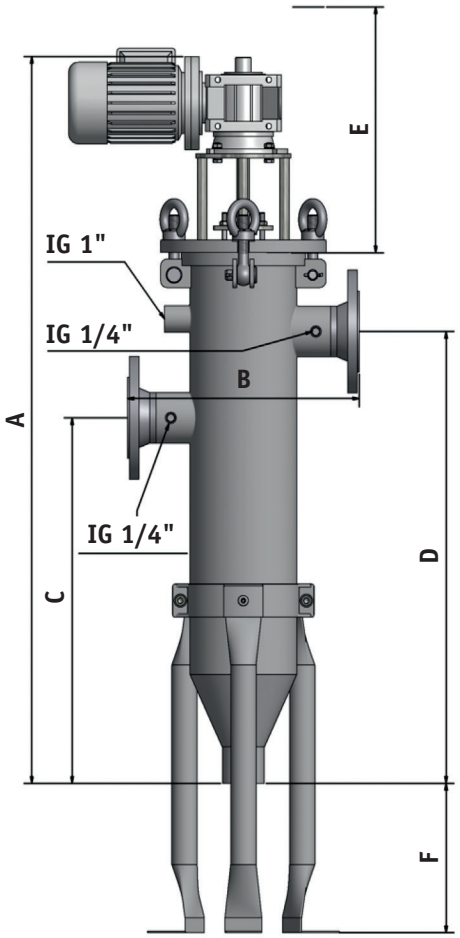
CSF-FD Self-cleaning Wedge Wire Filter

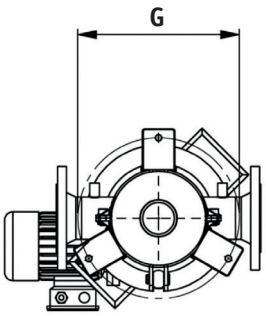
Technical data

Material

Filter housing	Stainless Steel 1.4571
Filter Cartridge	Stainless Steel 1.4435
Scrapper Blade	Stainless Steel 1.4310
Gasket	Viton O-Ring/PTFE (other on demand)
Micron Size	25 – 3.000 µm
Operating pressure	10 bar standard (16 bar on demand)
Operating temperature	80 °C (Up to 180 °C on demand)
Motor	Worm Gear Motor
Voltage	400 V, 50 Hz Other 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

Technical data

Type		CSF700-FD	CSF1000-FD
Flow Rate Efficiency	[m³/h*]	25	35
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	[mm]	1,145	1,200
Dimension Flange B	[mm]	365	465
Dimension Flange C	[mm]	550	560
Dimension Flange D	[mm]	680	710
Expansion Dimension E	[mm]	580	700
Dimension Floor to Housing F	[mm]	20 – 290	110 – 330
Bolt hole circle G	[mm]	288	338.5
Volume Liter	[Ltr.]	15	26.5
Option Housing with brackets			

* based on water and 100 micron

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