

DCF-400 DCF-800 DCF-1600



DCF-1600

DCF-400

DCF-800 – One actuator delivers simple, reliable operation with water-like liquids. Ideal where a low initial investment is a key driving factor

The Eaton DCF series is ideal for highly viscous, abrasive or sticky liquids. The DCF units operate at a consistently low differential pressure and deliver simple, reliable operation in which a low initial investment is a key driving factor.

FEATURES

- Elimination of or reduction in disposable filter elements to reduce operator intervention, inventory costs and landfill waste
- Minimum contaminant purge in a highly concentrated waste stream for a reduction in product loss
- Reduction in or elimination of operator intervention for safer operation
- Virtually maintenance-free, negligible downtime
- Compact design, lower capital cost to fit most installations
- Stainless steel screens from 15-micron slots to 1/4" perforations to handle a wide range of filtration needs
- Available with UHMWPE, urethane, Teflon® or Kynar® cleaning discs

TYPICAL APPLICATIONS

- Paper coatings • PCC/GCC slurries • Phenolic resins • Detergents
- Petroleum-based greases • Ethanol processing • Hot fry oils
- CIP fluids (sodium hydroxide) • Starch • Lime slurries • Adhesives
- Curtain coaters • Nutraceuticals • Machining coolants • Paint
- Ink • Chocolate • Edible oils • Tallow

When processing water and water-like liquids and a low initial investment is demanded, DCF single actuator models deliver tremendous benefits. Available in 400, 800 and 1600 sizes, the DCF series enables operation at a vast range of flow rates and retentions.

The DCF-800 and DCF-1600 are also available in twin actuator models, which are designed for the rigours of processing highly viscous, abrasive, sticky or otherwise hard-to-process liquids. DCF filters are suitable for a broad spectrum of challenging applications and accommodate a wide range of flow and retention requirements.



DCF-1600 – Two actuators isolate the actuation mechanism from the filtrate with a bridged system. The benefit is a long operating life in challenging conditions.

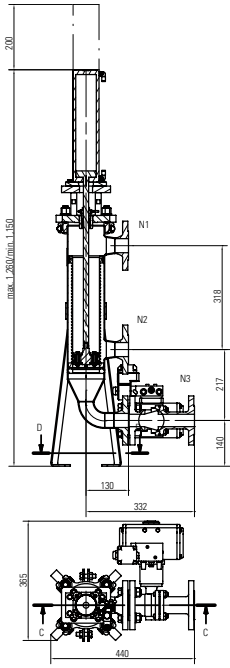
DCF-800 twin actuator model



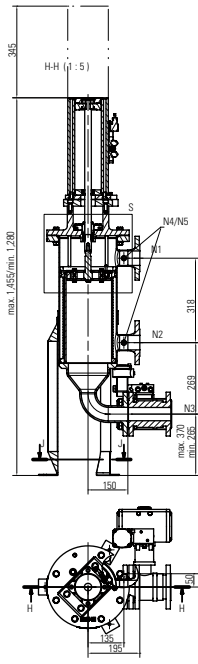
Our unique circular cleaning disc design (MCF design shown) ensures precise contact with the screen to thoroughly and uniformly clean the media.



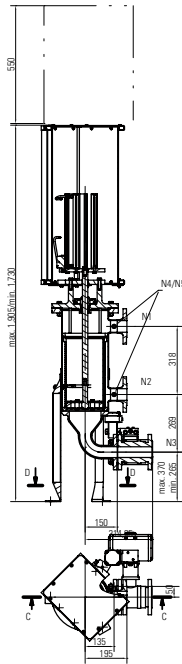
Powering Business Worldwide



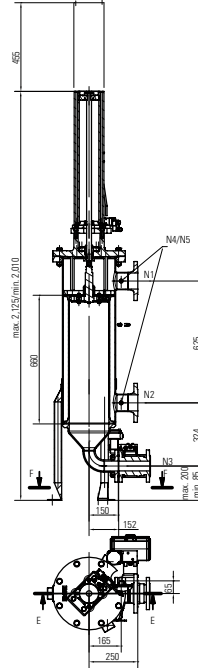
DCF-400



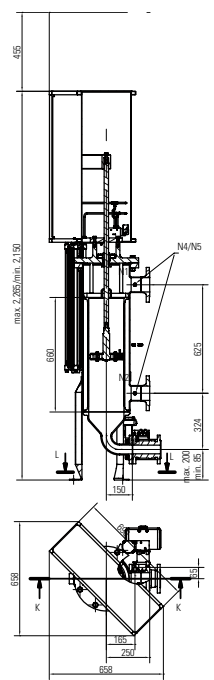
DCF-800



DCF-800
Twin



DCF-1600



DCF-1600
Twin

	DCF-400	DCF-800	DCF-1600
Single unit weight	approx. 21 kg	approx. 45 kg	approx. 156 kg
Service height	approx. 1,460 mm	approx. 1,800 mm	approx. 2,720 mm
Process liquid volume	approx. 5 l	approx. 18 l	approx. 48.5 l
Purge chamber capacity	approx. 0.2 l	approx. 0.9 l	approx. 2.5 l
Filtration surface area	722 cm ²	1704 cm ²	3995 cm ²
Flow rate at 100 µm	max. 3.5 m ³ /h	max. 13.5 m ³ /h	max. 40 m ³ /h
Temperature, maximum*	10–200 °C	10–200 °C	10–200 °C
Pressure, maximum	1.5–10 bar	1.5–10 bar	1.5–10 bar
Air requirements for single actuator	5.5 bar @ 142 l/min	5.5 bar @ 142 l/min	5.5 bar @ 142 l/min
Housing/wetted parts material	316 stainless steel	316 stainless steel	316 stainless steel
Housing connections			
N1/N2/N3 (inlet, outlet, purge)	DN 40 PN 16	DN 50 PN 16	DN 80 PN 16; DN 50 PN 16

* Dependent on elastomer seal and cleaning disc material selection.

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Kynar® is a registered trademark of Arkema Group.

North America
44 Apple Street
Tinton Falls, NJ 07724
Toll Free: 800 656-3344
(North America only)
Tel: +1 732 212-4700

Europe/Africa/Middle East
Auf der Heide 2
53947 Nettersheim, Germany
Tel: +49 2486 809-0

Friedensstraße 41
68804 Altlußheim, Germany
Tel: +49 6205 2094-0
An den Nahewiesen 24
55450 Langenlonsheim, Germany
Tel: +49 6704 204-0

China
No. 3, Lane 280,
Linhong Road
Changning District, 200335
Shanghai, P.R. China
Tel: +86 21 5200-0099

Singapore
100G Pasir Panjang Road #07-08
Singapore 118523
Tel: +65 6825-1668

Brazil
Av. Ermanno Marchetti, 1435 -
Água Branca, São Paulo - SP,
05038-001, Brazil
Tel: +55 11 3616-8461

For more information, please
email us at filtration@eaton.com
or visit www.eaton.com/filtration

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