

## Disc Cleaning Filters

# DCF-400 DCF-800 DCF-1600

Mechanically  
Cleaned

Permanent  
Media

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



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

### FEATURES

- Elimination or reduction in disposable filter bags and cartridges for reduced operator handling inventory costs and landfill waste
- Reduction in product loss, more thorough contaminant purge in a highly concentrated waste stream
- Reduction or elimination of operator intervention for safer operation
- Virtually maintenance free, near 100% uptime
- 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 where 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 rigors 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-800 twin actuator model

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

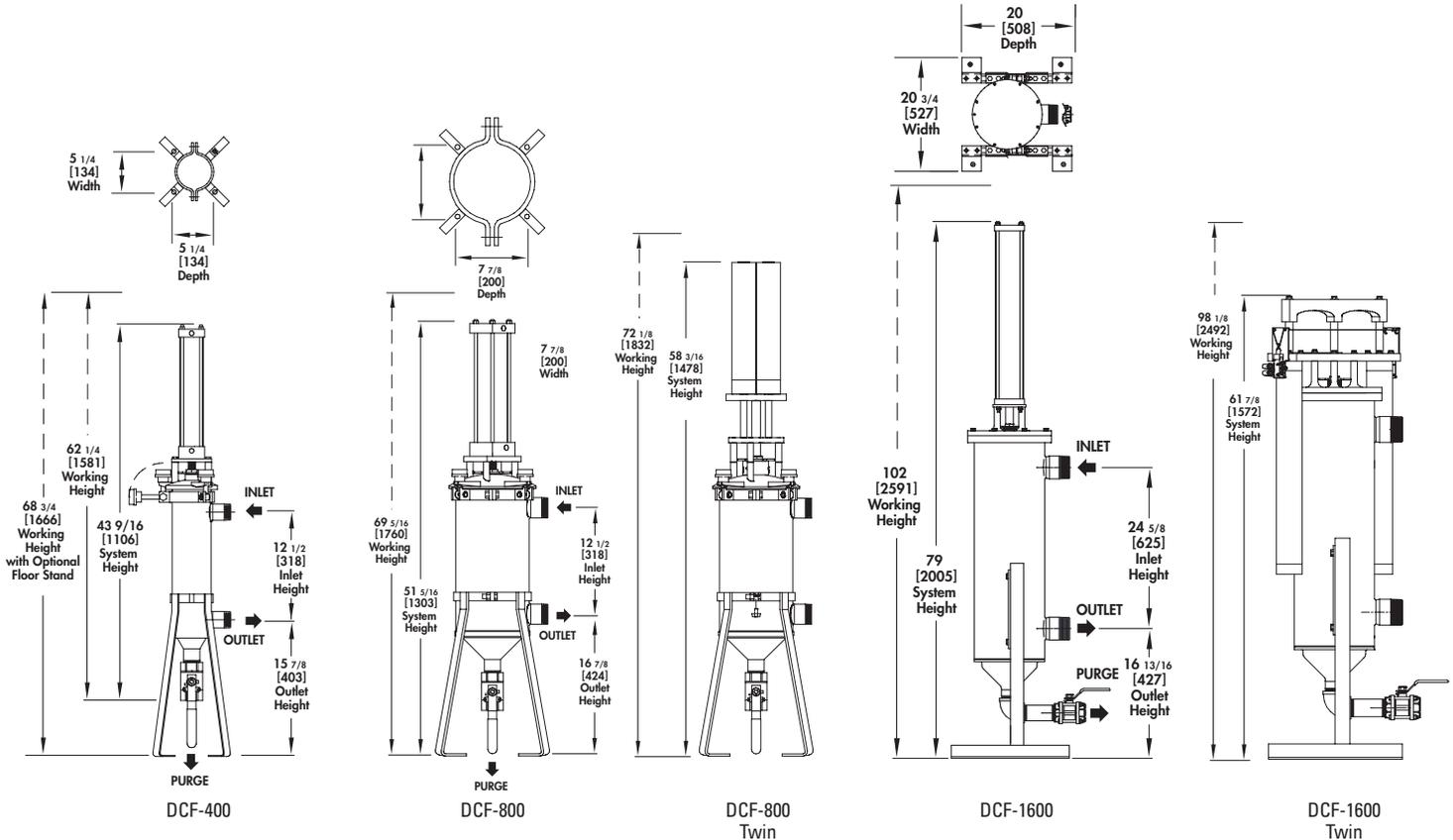
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Our unique circular cleaning disc design (MCF design shown) ensures intimate contact with the screen to thoroughly and uniformly clean the media.

# DCF-400, DCF-800, DCF-1600 Disc Cleaning Filters



	DCF-400	DCF-800	DCF-1600
Single Unit Weight	35 lbs (16 kg)	75 lbs (34 kg)	215 lbs (97.5 kg)
Service Height	61.25 in (1556 mm)	69.25 in (1760 mm)	102 in (2591 mm)
Total Volumetric Capacity	0.94 gal (3.5 liters)	3.9 gal (14.8 liters)	11 gal (41.6 liters)
Purge Chamber Capacity	4 fl. oz (119 ml)	25 fl. oz (0.74 liters)	1.5 gal (6 liters)
Filtration Surface Area	112 in <sup>2</sup> 722 cm <sup>2</sup>	264 in <sup>2</sup> 1703 cm <sup>2</sup>	610 in <sup>2</sup> 3935 cm <sup>2</sup>
Flow Rate Range at 100µ	2–20 gpm 0.45–4.5 m <sup>3</sup> /hr	20–60 gpm 4.5–13.6 m <sup>3</sup> /hr	60–200 gpm 13.6–45.4 m <sup>3</sup> /hr
Temperature, maximum*	350° F (177° C)	350° F (177° C)	350° F (177° C)
Pressure, maximum	300 psi (21 bar)	150 psi (10.5 bar) standard	150 psi (10.5 bar) standard
Service Requirements			
Air for Actuator Drive, min	400/800 = 60 psi at 5 cfm (4 bar @ 8.5 m <sup>3</sup> /min) 1600 = 80 psi at 5 cfm (5 bar @ 8.5 m <sup>3</sup> /min)		
Electrical for Controllers	Control for all three models, automated only, 110/220V, 50/60 Hz, single phase		

\* Dependent on elastomer seal selection.

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