

# FC Series

## Bag Filters (Single Bag)

FC Series Single Bag Filters provide effective, economical filtration of liquids. Disposable filter bags are available in a wide range of materials and micron ratings to remove particulate matter down to 1micron.



### Applications

Filtration of liquids such as paints, inks, coolants, water, solvents, glues, recycled oils and beverages.

### Standard Features

- Designed to ASME Section VIII Div.1
- 150 psig standard design pressure
- -20°F/+150°F standard design temperature
- 3000lb NPT couplings or 150lb ANSI RF flanged inlet/outlet
- 3000lb NPT couplings for vent, drain, and pressure gauge connections
- Stainless steel or carbon steel housing material
- Perforated stainless steel (SS304 or SS316) basket construction
- Hinged lid
- Quick access to replace bags
- Standard swing bolt closures
- O-ring closure seal

### Options & Accessories

- Custom design pressures to 3000 psig
- Custom flange ratings
- Custom housing materials
- Optional closure: thru-bolt
- O-ring closure seal in Buna, Viton, Teflon, Silicone, or EPDM
- Internal epoxy coating on carbon steel models
- External primer finish for carbon steel housings
- Electropolishing of stainless steel housings
- Passivation of stainless steel housings
- Paint or coating to customer specifications
- Additional nozzles as needed
- Valves
- Safety relief valves
- Pressure gauges
- Duplex or multiplex arrangement
- Working platform

Fig.	Model No.	Material	Bag Qty	A Vessel OD	B	C	D	E	Inlet/Outlet	Drains	Press. Gauge	GPM (US)	Weight (lbs)
1	FC-C1502P	Carbon Steel	1	8 5/8	34.75	39.25	41.75	69.25	2" NPT	3/4" NPT	1/2" NPT	180	45
1	FC-E1502P	SS304	1	8 5/8	34.75	39.25	41.75 <td 69.25	2" NPT	3/4" NPT	1/2" NPT	180	45	

Notes:

1. All units in inches unless otherwise stated.
2. Dimension 'E' is the minimum clearance required for bag removal.
3. Flowrates are based on water. More viscous liquids will have lower flowrates.
4. Drawings for reference only. Certified drawings will be supplied after receipt of order.

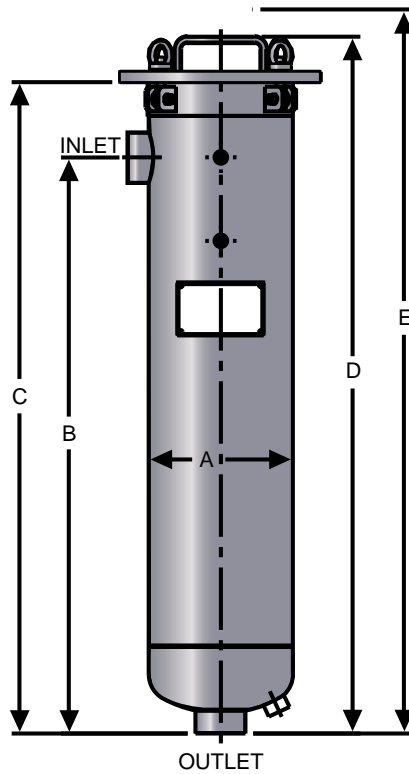
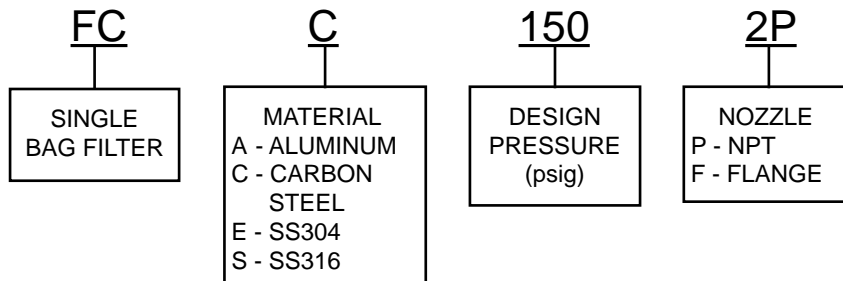


Fig. No. 1

Model Coding



# Request for Quote Form

**Client Information:**

Company Name: \_\_\_\_\_  
 Contact Name: \_\_\_\_\_  
 Contact Title: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State (Prov): \_\_\_\_\_  
 Country, Zip (Postal Code): \_\_\_\_\_  
 Phone/Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Item: \_\_\_\_\_  
 Tag No: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Proposal Type Required:** (please check mark or comment)

Budgetary     Bid     Buy  
 Other: \_\_\_\_\_  
 Required Date for Proposal: \_\_\_\_\_  
 Anticipated Shipping Date for Project: \_\_\_\_\_

**How did you hear about CCI Thermal Technologies?**

Internet:    Google    Thomas Register    MSN    Global Spec    Yahoo  
 Other: \_\_\_\_\_  
 Print Advertising:    Publication name: \_\_\_\_\_  
 Distributor:    Name: \_\_\_\_\_  
 CCI Thermal Employee:    Name: \_\_\_\_\_  
 Other: Please define: \_\_\_\_\_  
 Are you a previous customer?     Yes     No

**Required Data:**

Type of Liquid \_\_\_\_\_  
 Max./Design Flow Rate \_\_\_\_\_     gpm     ft<sup>3</sup>/hr     m<sup>3</sup>/hr     Other  
 Operating Pressure \_\_\_\_\_     psig     bar g     Other  
 Operating Temperature \_\_\_\_\_     °F     °C  
 Desired Particle Retention \_\_\_\_\_    % \_\_\_\_\_    Particle Size \_\_\_\_\_    Microns \_\_\_\_\_     Nominal     Absolute  
 Density of Liquid at Op. Condition \_\_\_\_\_     lb/ft<sup>3</sup>     Other     Liquid SP.GR.  
 Viscosity of Liquid at Op. Condition \_\_\_\_\_     cp     SSU     Other

**Additional Data:**

Solid Contaminants \_\_\_\_\_     % wt     % vol     Other  
**Type of Solid Contaminant**  
 Allowable Clean Pressure Drop \_\_\_\_\_     psi     bar     Other  
 Max. Allowable Pressure Drop \_\_\_\_\_     psi     bar     Other  
 Bag Filter Media     Polypropylene     Polyester     Nylon     Other \_\_\_\_\_  
 Fiber     Monofilament     Multifilament     Felt     Other \_\_\_\_\_  
 Bag Size     Size #1     Size #2     Size #3     Other \_\_\_\_\_  
 Nozzel Inlet/Outlet Size \_\_\_\_\_     in  
 Material of Construction \_\_\_\_\_    Vessel \_\_\_\_\_    Internals \_\_\_\_\_    Support \_\_\_\_\_  
 Design & Code     ASME     Other    CRN \_\_\_\_\_     Yes     No    Province \_\_\_\_\_  
 Design Pressure     psig     bar g     kg/cm<sup>2</sup> g     Other  
 Design Temperature \_\_\_\_\_    Min. \_\_\_\_\_    Max. \_\_\_\_\_     °F     °C  
 Corrosion Allowance \_\_\_\_\_     in     mm  
 Radiography     None     Spot     Full     100% All Butt Wells  
 Filter Element Type     Disposable     Cleanable  
 Filter Media     Cotton     Polypropylene     Glass Fiber     Other  
 Gasket     Buna - N     Viton A     EPDM     Other  
 Vessel Internal Finish  Clean & Dry  Other    Specify: \_\_\_\_\_  
 Vessel External Finish  Primer  Other    Specify: \_\_\_\_\_  
 Closure     Standard     Quick Opening     Other

Notes or Comments: \_\_\_\_\_