



# Fil-Trek

## VF SERIES

Multi Round  
Oil Filters  
ASME Design



Chemicals



Oil/Gas



Air/Gas



Coolants

## VF SERIES Multi Round Oil Filters

- Vertical, oil filter, ASME “U” and “UM” design.
- Housing accepts multiple 300, 400, 600 & 700 series oil filters.
- Multiple stacks available.
- 150psig (10.3bar) @ 250°F(121.1°C) design pressure.
- Vessels available in carbon or stainless steel 304 or 316.
- Standard vessel is carbon steel with external paint.
- Swing bolt closure allows for quick element change out.
- For drawings, flow charts, custom applications and filter cartridge information please

visit [www.fil-trek.com](http://www.fil-trek.com).

### FIL-TREK CORPORATION

**ONTARIO**  
70 Fleming Drive  
Cambridge, ON  
N1T 2B1

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**ALBERTA**  
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# VF SERIES

Multi Round  
Oil Filters  
ASME Design

### Housing Specifications

**300/400 Series**  
**Inlet/Outlet**  
2" Flange - 8" Flange

**Dirty Drain**  
2" NPT

**Clean Drain**  
2" NPT

**Vent**  
1/2" NPT

**Gauges**  
1/2" NPT

**600/700 Series**  
**Inlet/Outlet**  
4" Flange - 20" Flange

**Dirty Drain**  
2" NPT

**Clean Drain**  
2" NPT

**Vent**  
1/2" NPT

**Gauges**  
1/2" NPT

### Certifications

- U
- UM
- CE
- NB
- CRN

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|                    |                              |
|--------------------|------------------------------|
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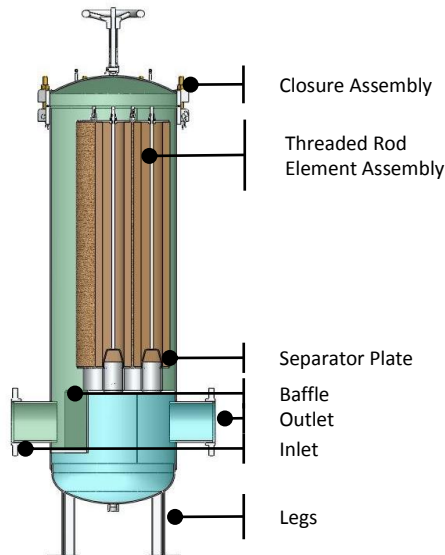
## MODEL FLOW RATES

### 300/400 SERIES

| MODEL | FLOW RATE<br>(GPM) | # OF FILTERS |     | MAX<br>INLET/OUTLET |
|-------|--------------------|--------------|-----|---------------------|
|       |                    | 3"           | 4"  |                     |
| VF10  | 400                | 5            | 3   | 4"                  |
| VF12  | 425                | 8            | 4   | 4"                  |
| VF14  | 450                | 11           | 7   | 4"                  |
| VF16  | 600                | 15           | 8   | 6"                  |
| VF18  | 850                | 18           | 11  | 6"                  |
| VF20  | 900                | 23           | 13  | 6"                  |
| VF22  | 1050               | 29           | 18  | 8"                  |
| VF24  | 1350               | 36           | 20  | 8"                  |
| VF27  | 1800               | 46           | 27  | 8"                  |
| VF30  | 2250               | 58           | 32  | 10"                 |
| VF32  | 2700               | 65           | 38  | 10"                 |
| VF34  | 3000               | 71           | 42  | 10"                 |
| VF36  | 3300               | 80           | 49  | 10"                 |
| VF42  | 4500               | 110          | 67  | 12"                 |
| VF48  | 6000               | 143          | 90  | 16"                 |
| VF54  | 7500               | 191          | 115 | 18"                 |

Flow rate is recommended at 8gpm/36". Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

### INTERNAL DETAILS



### 600/700 SERIES

| MODEL | FLOW RATE<br>(GPM) | # OF FILTERS |  | MAX<br>INLET/OUTLET |
|-------|--------------------|--------------|--|---------------------|
|       |                    |              |  |                     |
| VF14  | 450                | 3            |  | 4"                  |
| VF16  | 600                | 4            |  | 6"                  |
| VF20  | 900                | 6            |  | 6"                  |
| VF22  | 1050               | 7            |  | 8"                  |
| VF24  | 1350               | 9            |  | 8"                  |
| VF26  | 1650               | 11           |  | 8"                  |
| VF28  | 1800               | 12           |  | 8"                  |
| VF30  | 2250               | 15           |  | 10"                 |
| VF32  | 2700               | 18           |  | 10"                 |
| VF34  | 3000               | 20           |  | 10"                 |
| VF36  | 3300               | 22           |  | 10"                 |
| VF38  | 3600               | 24           |  | 12"                 |
| VF40  | 4050               | 27           |  | 12"                 |
| VF42  | 4500               | 30           |  | 12"                 |
| VF44  | 5100               | 34           |  | 14"                 |
| VF46  | 5250               | 35           |  | 14"                 |
| VF48  | 6000               | 40           |  | 16"                 |
| VF50  | 6300               | 42           |  | 16"                 |
| VF52  | 7050               | 47           |  | 16"                 |
| VF54  | 7500               | 50           |  | 18"                 |
| VF56  | 7800               | 52           |  | 18"                 |
| VF58  | 8700               | 58           |  | 18"                 |
| VF60  | 9150               | 61           |  | 20"                 |

Flow rates based on elements for fluids with a viscosity of up to a maximum of 120 SSU, at 65gpm/18".

Distribution Tube  
Filter Element  
Assembly



### MATERIAL OF CONSTRUCTION

### MAX. OPERATING PRESSURE (PSI @250°F)

### MAX. DESIGN TEMP

CARBON STEEL  
304 STAINLESS STEEL  
316 STAINLESS STEEL

150 psi (10.3bar)  
150 psi (10.3bar)  
150 psi (10.3bar)

300°F (150°C)  
300°F (150°C)  
300°F (150°C)

## MODEL DIMENSIONAL DETAILS

## 300/400 SERIES

| MODEL | SHIPPING WEIGHT (LBS) | A  | B   | C   | D   | E    |
|-------|-----------------------|----|-----|-----|-----|------|
| VF10  | 200                   | 10 | 15" | 15" | 17" | 63"  |
| VF12  | 225                   | 12 | 16" | 16" | 21" | 79"  |
| VF14  | 250                   | 14 | 16" | 16" | 16" | 81"  |
| VF16  | 275                   | 16 | 17" | 17" | 27" | 81"  |
| VF18  | 400                   | 18 | 19" | 19" | 30" | 83"  |
| VF20  | 410                   | 20 | 20" | 20" | 32" | 86"  |
| VF22  | 450                   | 22 | 20" | 20" | 32" | 86"  |
| VF24  | 480                   | 24 | 22" | 22" | 40" | 89"  |
| VF27  | 550                   | 27 | 22" | 22" | 40" | 89"  |
| VF30  | 800                   | 30 | 24" | 24" | 43" | 94"  |
| VF32  | 900                   | 32 | 24" | 24" | 46" | 94"  |
| VF34  | 950                   | 34 | 26" | 26" | 46" | 98"  |
| VF36  | 1000                  | 36 | 28" | 28" | 48" | 102" |
| VF42  | 1800                  | 42 | 35" | 35" | 58" | 107" |
| VF48  | 2500                  | 48 | 35" | 35" | 58" | 107" |
| VF54  | 4600                  | 54 | 36" | 36" | 75" | 118" |

## 600/700 SERIES

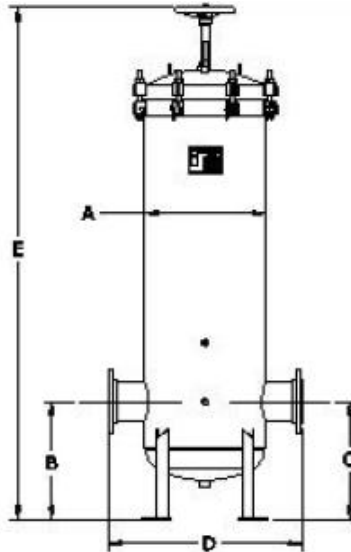
| MODEL          | SHIPPING WEIGHT (LBS) | A   | B   | C   | D   | E    |
|----------------|-----------------------|-----|-----|-----|-----|------|
| VF14-03-44-4F  | 250                   | 14" | 16" | 16" | 16" | 81"  |
| VF16-04-44-6F  | 275                   | 16" | 17" | 17" | 17" | 85"  |
| VF20-06-44-6F  | 410                   | 20" | 20" | 20" | 32" | 86"  |
| VF22-07-44-6F  | 450                   | 22" | 20" | 20" | 33" | 86"  |
| VF24-09-44-8F  | 480                   | 24" | 22" | 22" | 35" | 89"  |
| VF26-11-44-8F  | 530                   | 26" | 22" | 22" | 36" | 92"  |
| VF28-12-44-8F  | 550                   | 28" | 22" | 22" | 40" | 89"  |
| VF30-15-44-10F | 800                   | 30" | 24" | 24" | 43" | 94"  |
| VF32-18-44-10F | 900                   | 32" | 24" | 24" | 46" | 94"  |
| VF34-20-44-10F | 950                   | 34" | 24" | 24" | 48" | 98"  |
| VF36-22-44-12F | 1000                  | 36" | 28" | 28" | 48" | 101" |
| VF38-24-44-12F | 1300                  | 38" | 30" | 30" | 50" | 101" |
| VF40-27-44-12F | 1500                  | 40" | 35" | 35" | 54" | 102" |
| VF42-30-44-14F | 1800                  | 42" | 35" | 35" | 58" | 107" |
| VF44-34-44-16F | 2000                  | 44" | 35" | 35" | 58" | 107" |
| VF46-35-44-16F | 2200                  | 46" | 35" | 35" | 58" | 107" |
| VF48-40-44-16F | 2500                  | 48" | 35" | 35" | 58" | 107" |
| VF50-42-44-18F | 3000                  | 50" | 36" | 36" | 64" | 112" |
| VF52-47-44-18F | 3800                  | 52" | 36" | 36" | 64" | 112" |
| VF54-50-44-18F | 4600                  | 54" | 36" | 36" | 75" | 112" |
| VF56-52-44-20F | 5900                  | 56" | 36" | 36" | 75" | 118" |
| VF58-58-44-20F | 6700                  | 58" | 38" | 38" | 75" | 118" |
| VF60-61-44-20F | 7200                  | 60" | 38" | 38" | 75" | 118" |

## REFERENCE CHART LEGEND

|   |                  |
|---|------------------|
| A | OUTSIDE DIAMETER |
| B | FLOOR TO INLET   |
| C | FLOOR TO OUTLET  |
| D | FACE TO FACE     |
| E | OVERALL HEIGHT   |

NOTE: Above dimensions are for Style B, with a flat bottom. For other options contact factory.

## Style B



## PRODUCT NOMENCLATURE

| S6       | VF             | 28               | 12           | 36     | 8F              | -              | -           | -                          | -   | -      | -         | -              |
|----------|----------------|------------------|--------------|--------|-----------------|----------------|-------------|----------------------------|-----|--------|-----------|----------------|
| MOC      | MODEL          | HOUSING DIAMETER | # OF FILTERS | LENGTH | CONNECTION TYPE | HOUSING CONFIG | BOTTOM HEAD | FINISH                     | LEG | O-RING | HEAD LIFT | FILTER SUPPORT |
| (-) CS   | VF – ASME CODE | SEE TABLE        | SEE TABLE    | 18     | SEE TABLE       |                |             | SEE SIDE PANEL FOR OPTIONS |     |        |           |                |
| S4 SS304 | EVF – NON-CODE |                  |              | 36     |                 |                |             |                            |     |        |           |                |
| S6 SS316 |                |                  |              | 44     |                 |                |             |                            |     |        |           |                |
|          |                |                  |              | 56     |                 |                |             |                            |     |        |           |                |

## HOUSING OPTIONS

## Configuration Options

(-) – In Line (standard)

A – Side in/side out

D – Side in/out Same Side

## Bottom &amp; Head Options

(-) F – Flat bottom (standard for VF10-16)

(-) L – Domed bottom (standard for VF18 +)

## Finish Options

(-) – External paint “National Blue”

(Standard for carbon steel housings)

(-) – Bead Blast (standard for stainless steel 304 and 316)

EP1 – Electro polish Inside/Outside

EP2 – Inside only

EP3 – Outside only

PP – Passivation

## Leg Options

(-) LT – Leg tabs (standard for flat bottom VF10-16 only)

(-) LA – Heavy duty legs (standard for all domed bottom)

## O-Ring Options

(-) – Buna-N (standard)

ED – EPDM

VI – Viton

SI – Silicone

TEV – Teflon encap. Viton

TF – Teflon

## Head Lift Options

K1 – Standard Mechanical Davit

K2 – Hinge

K3 – Hydraulic Davit Side

K4 – Hydraulic Jack Davit Top

## Filter Support

(-) – I1: Threaded Rod (standard)

I2: Distributor Tube

## Other Options

Stainless steel bolting

Skid mounting

Duplexing

## Accessories

DP Gauges

Safety Relief Valves

Vent Valves

Drain Valves

Air Eliminator

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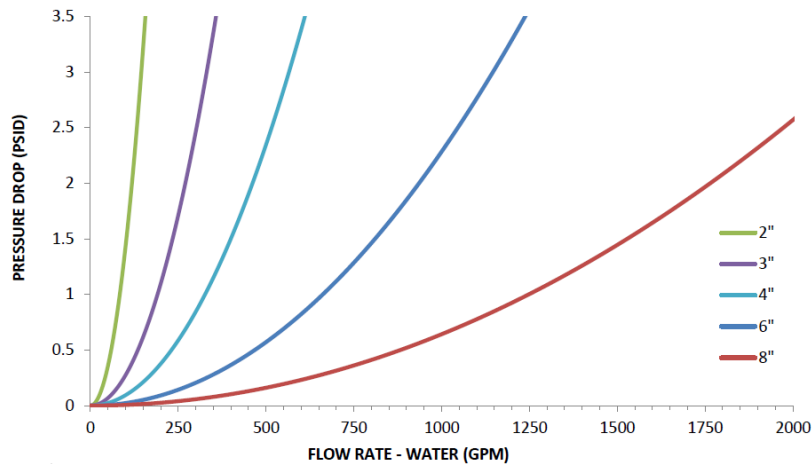
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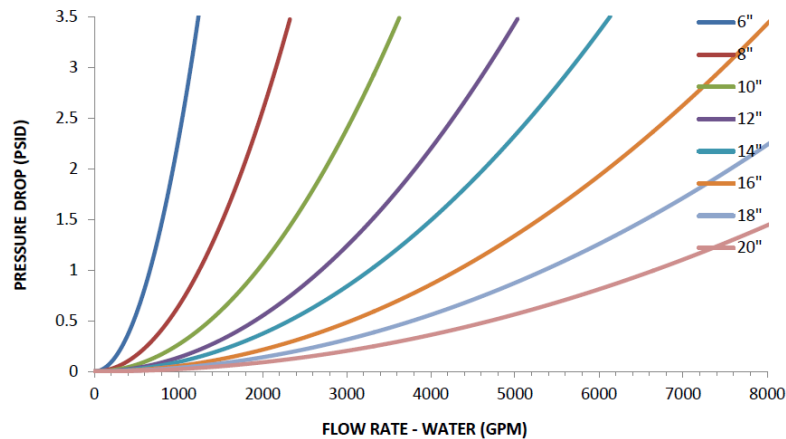
Multi Round  
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## FLOW CHART

### 300/400 SERIES

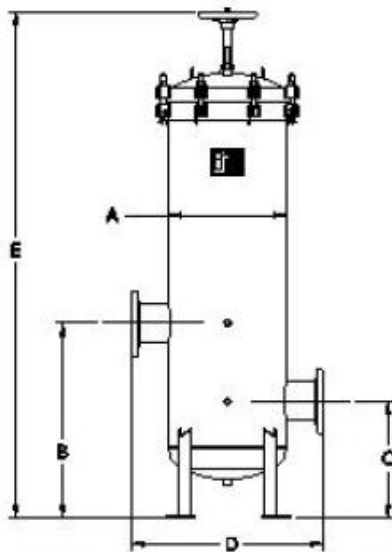


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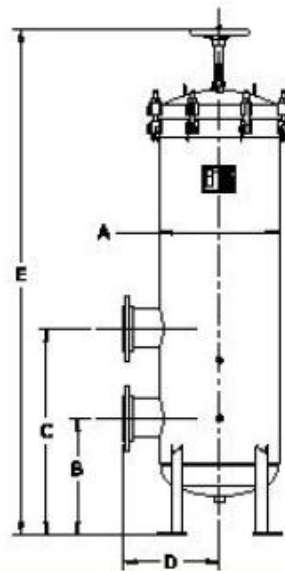


## ADDITIONAL CONFIGURATION OPTIONS

Style A



Style D



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