



# Fil-Trek

# FRPH SERIES

FRP Cartridge Filter Housings  
Horizontal Design  
ASME Design  
Universal



Water



Desalination



Chemicals



Electronics



Oil/Gas



Air/Gas



Inks/Paints/ Coatings



Power



Coolants



Pulp & Paper

## FRPH SERIES

### *Horizontal*

# Fibreglass Reinforced Plastic Cartridge Filter Housings

- Up to 150psig (6.9bar) @ 200°F(93.3°C) standard design pressure with a safety factor of 4 (ASME design available for select models, call for information).
- Accepts multiple 30", 40", 50" or 60" cartridges.
- Steel components available in stainless steel 304 or 316 for models above FRPH30.
- Housings accepts industry standard double open end style cartridges.
- Models can be designed to accept single open end cartridges.
- Swing bolt closure allows for quick element change out.
- Built to NSF standards.
- Vessel material has a longer life expectancy when dealing with corrosive liquids, such as; sea water and brackish water.

For pricing or to order, please contact



204 North Link Lane #7  
Fort Collins, CO 80524  
Office 970-204-4758  
Fax 970-204-4764

[brandon@industrialfiltersource.com](mailto:brandon@industrialfiltersource.com)

# FRPH SERIES

FRP Cartridge Filter Housings  
Horizontal Design  
ASME Design  
Universal

### Housing Specifications

**Inlet/Outlet**  
2" Flange -18" Flange

**Dirty Drain**  
2" Flanged

**Clean Drain**  
2" Flanged

**Vent**  
1"-2" Flanged

**Body Material**  
FRP – Fibreglass Reinforced  
Plastic (vinyl-ester resin)

**External Finishing**  
Blue Exterior Paint  
Custom Paint Available

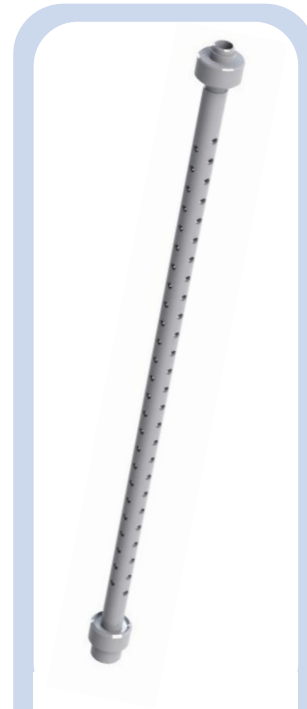
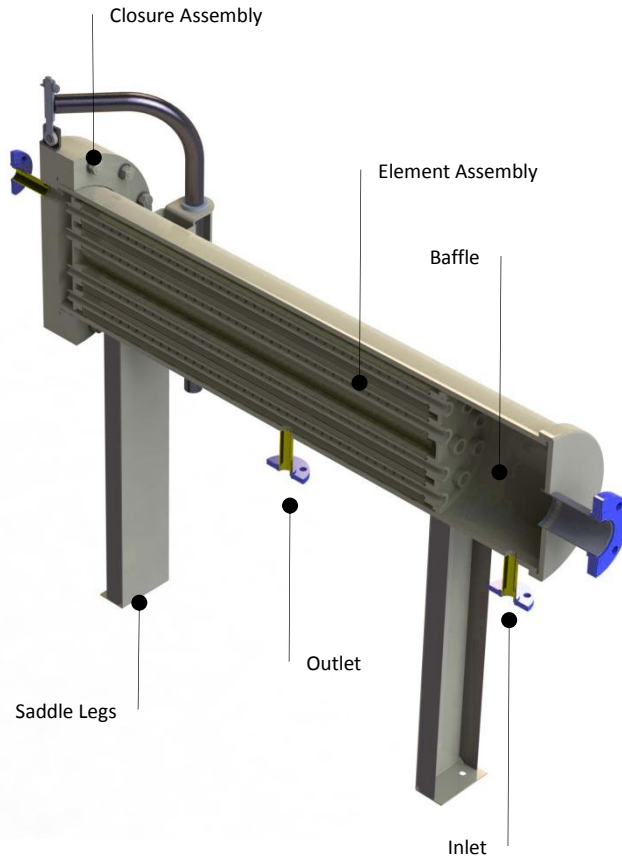
## FRPH12 to FRPH24

### MODEL FLOW RATES

MODEL	# OF FILTERS	MAX FLOW RATE (GPM)
FRPH12-011-4-4F	11	220
FRPH14-017-4-4F	17	340
FRPH16-022-4-6F	22	440
FRPH18-029-4-6F	29	580
FRPH20-035-4-6F	35	700
FRPH24-050-4-8F	50	1000

Flow rates based on water at 5gpm/10" (assuming 40" cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

### INTERNAL DETAILS



The internal PVC post is perforated to allow for even liquid distribution amongst the entire filter cartridge length. The top seat and bottom cup are also made of PVC.

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MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE (PSI @250°F)	MAX. DESIGN TEMP
304 STAINLESS STEEL	100 psi (10.3bar)	150°F
316 STAINLESS STEEL	100 psi (10.3bar)	150°F

\*\*150 psi also available if required

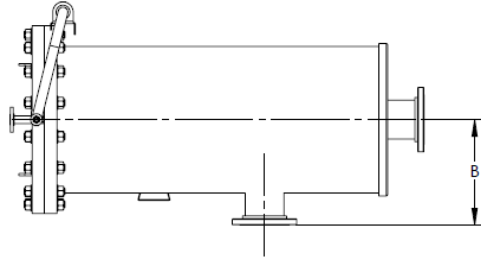
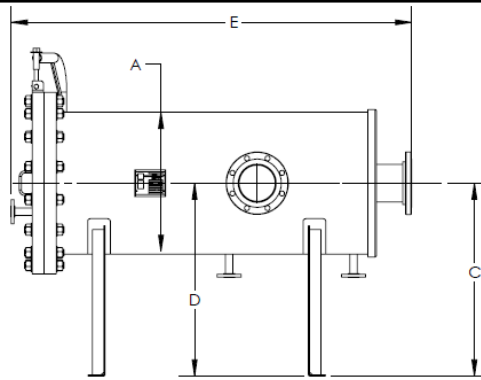
## FRPH12 to FRPH24

### MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E
FRPH12-011-4-4F	230	12 1/8"	8"	36"	36"	58"
FRPH14-017-4-4F	265	14 1/8"	12"	36"	36"	58"
FRPH16-022-4-6F	280	16 1/8"	14"	36"	36"	58"
FRPH18-029-4-6F	300	18 1/8"	15"	36"	36"	60"
FRPH20-035-4-6F	320	20 1/8"	16"	36"	36"	62"
FRPH24-050-4-8F	340	24 1/8"	17"	36"	36"	66"

#### REFERENCE CHART LEGEND

<b>A</b>	OUTSIDE DIAMETER
<b>B</b>	FACE TO CENTER
<b>C</b>	FLOOR TO OUTLET
<b>D</b>	FLOOR TO INLET
<b>E</b>	OVERALL LENGTH



#### STANDARD FRPH08-FRPH24 COMPLETE WITH:

- SS304 external steel components
- SS304/B7 bolting
- Thru-bolt design
- Saddle legs

### FRP COMPARED TO ALTERNATE MATERIALS

#### FRP vs. SS316

FRP has a higher resistance to sea water.

#### FRP vs. Lined Vessels

No risk of damaging lining with an FRP Vessel.

#### FRP vs. Duplex Steel

FRP is a much more cost effective option.

### PRODUCT NOMENCLATURE

FRPH	18	30	4	6F	-	-	-	-	-	-
MODEL	HOUSING DIAMETER	# OF FILTERS	LENGTH	CONNECTION TYPE	O-RING	LEGS	HEAD LIFT	FILTER CONFIG	EXTERNAL ATTACHMENTS	BOLTING
FRPH ASME CODE	SEE	SEE	3 - 30	SEE						
	TABLE	TABLE	4 - 40	TABLE						
			5 - 50							
			6 - 60							

FRP Cartridge Filter Housings  
Horizontal Design  
ASME Design  
Universal

#### Configuration Options

A – Side in/back out (standard)

#### O-Ring Options

(-) – Buna-N (standard)  
ED – EPDM  
VI – Viton  
SI – Silicone

#### Leg Options

Saddle legs (standard)

#### Head Lift Options

Handles (standard)

#### Filter Configuration

E1 – Double Open End (standard)

#### External Steel Attachments:

ATS4 – SS304 (standard)  
ATS6 – SS316

#### Bolting Options:

B1 – B7 Bolting (standard)  
B3 – B8 Bolting  
B4 – B8M Xylan Coated

#### Other Options

Skid Mounting  
Duplexing

#### Accessories

Direct Reading Gauge  
DP Gauge  
Safety Relief Valves  
Vent Valves  
Drain Valves  
Air Eliminator

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# FRPH SERIES

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Horizontal Design  
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### Housing Specifications

**Inlet/Outlet**  
2" Flange -18" Flange

**Dirty Drain**  
2" Flanged

**Clean Drain**  
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**Vent**  
1"-2" Flanged

**Body Material**  
FRP – Fibreglass Reinforced  
Plastic (vinyl-ester resin)

**External Finishing**  
Blue Exterior Paint  
Custom Paint Available

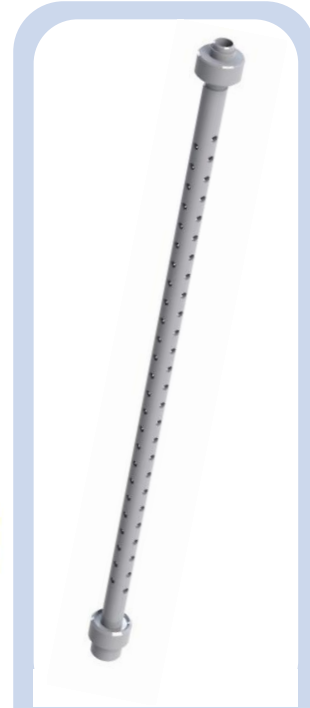
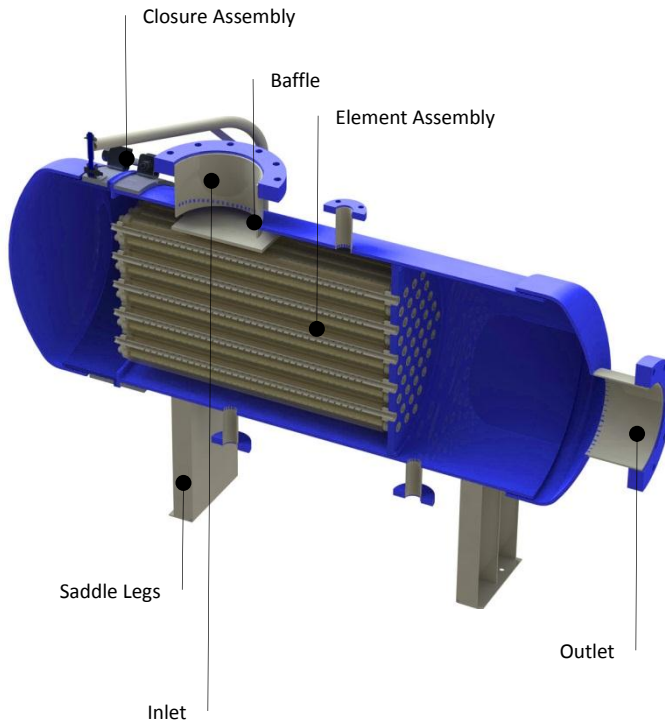
## FRPH30 to FRPH60

### MODEL FLOW RATES

MODEL	# OF FILTERS	MAX FLOW RATE (GPM)
FRPH30-082-4-10F	82	1640
FRPH36-120-4-12F	120	2400
FRPH42-165-4-14F	165	3300
FRPH48-220-4-16F	220	4400
FRPH54-290-4-18F	290	5800
FRPH60-360-4-20F	360	7200

Flow rates based on water at 5gpm/10" (assuming 40" cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

### INTERNAL DETAILS



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MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE (PSI @250°F)	MAX. DESIGN TEMP
304 STAINLESS STEEL	100 psi (10.3bar)	150°F
316 STAINLESS STEEL	100 psi (10.3bar)	150°F

\*\*150 psi also available if required

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## FRPH30 to FRPH60

### MODEL DIMENSIONAL DETAILS

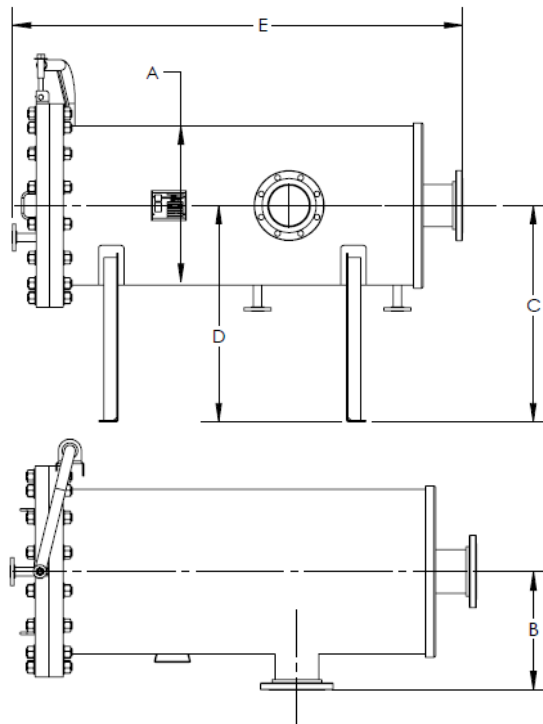
MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E
FRPH30-082-4-10F	560	30 1/8"	21"	36"	36"	69"
FRPH36-120-4-12F	700	36 1/8"	24"	36"	36"	72"
FRPH42-165-4-14F	1260	42 1/8"	29"	36"	36"	75"
FRPH48-220-4-16F	1750	48 1/8"	29"	36"	36"	84"
FRPH54-290-4-18F	3220	54 1/8"	37"	43"	43"	91"
FRPH60-360-4-20F	5040	60 1/8"	37"	43"	43"	98"

#### REFERENCE CHART LEGEND

<b>A</b>	OUTSIDE DIAMETER
<b>B</b>	FACE TO CENTER
<b>C</b>	FLOOR TO OUTLET
<b>D</b>	FLOOR TO INLET
<b>E</b>	OVERALL LENGTH

#### STANDARD FRP30-FRP60 COMPLETE WITH:

- SS304 external steel components
- SS304/B7 bolting
- Head lift
- Saddle Legs



#### Configuration Options

A – Side in/back out

#### O-Ring Options

(-) – Buna-N (standard)  
ED – EPDM  
VI – Viton  
SI – Silicone

#### Head Lift Options

(-) – K1 – Head lift (standard)  
K3 – Hydraulic Jack Davit Side

#### Filter Configuration

E1 – Double Open End

#### External Steel Attachments:

ATS4 – SS304 (standard)  
ATS6 – SS316

#### Bolting Options:

B1 – B7 Bolting (standard)  
B3 – B8 Bolting  
B4 – B8M Xylan Coated

#### Other Options

Skid Mounting  
Duplexing

#### Accessories

Direct Reading Gauge  
DP Gauge  
Safety Relief Valves  
Vent Valves  
Drain Valves  
Air Eliminator

### FRP COMPARED TO ALTERNATE MATERIALS

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FRP has a higher resistance to sea water.

#### FRP vs. Lined Vessels

No risk of damaging lining with an FRP Vessel.

#### FRP vs. Duplex Steel

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### PRODUCT NOMENCLATURE

FRPH	48	250	4	16F	-	-	-	-	-
MODEL	HOUSING DIAMETER	# OF FILTERS	LENGTH	CONNECTION TYPE	O-RING	HEAD LIFT	FILTER CONFIG	EXTERNAL ATTACHMENTS	BOLTING
FRPH ASME CODE	SEE	SEE	3 – 30	SEE			SEE SIDE PANEL FOR OPTIONS		
	TABLE	TABLE	4 – 40	TABLE			SEE SIDE PANEL FOR OPTIONS		
			5 – 50						
			6 – 60						

For pricing or to order, please contact

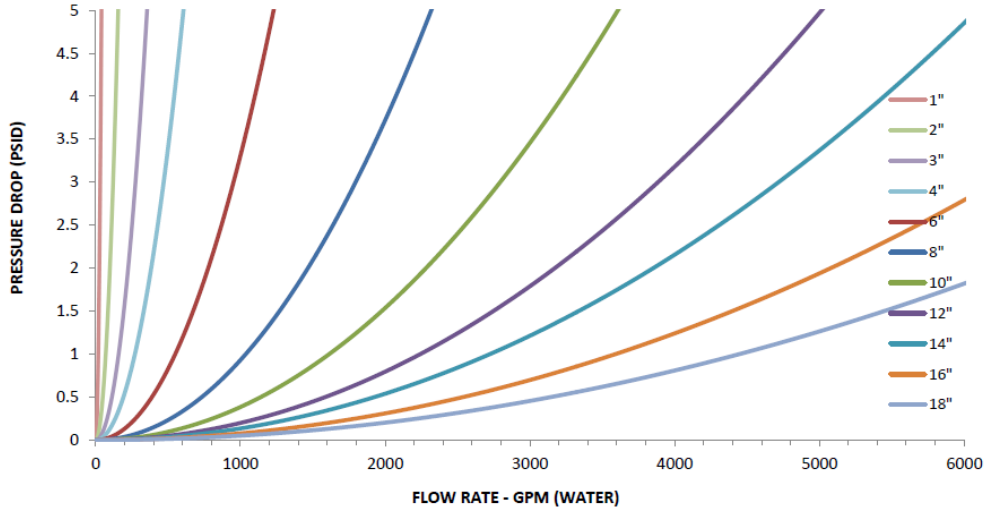


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## FLOW CHART



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