

Filtrex Hydrodex HCF Series

Filtrex Hydrodex HCF Series has employed the advantages of FRP material and used its special inherent strength and corrosion resistance technology to provide a superior filter vessel that is the best choice for a wide variety of uses.

The Filtrex Hydrodex line of vessels and filtration systems provide exceptional chemical resistance and outstanding tensile strength.

- Housings are constructed from a proprietary fiberglass reinforced plastic barrel manufactured with a flexible and fatigue-resistant vinyl ester resin.
- Seamless construction adds strength and longevity.
- Engineered to minimize downtime; easy to clean and replace parts.
- Internal components are constructed of ABS. PVC and other materials are also available for specialized applications.
- Externals are constructed of anodized ASME accepted aluminum & 316 stainless steel with other materials optional.
- Buna O-rings are standard, Viton is also available upon request.

PRODUCT SPECIFICATION

Material

- 1 FRP is 1/4 the weight of ductile iron and 1/10 of concrete pipe
- 1 Corrosion and tough chemical resistant materials

Maximum Allowable Pressure

- 1 Internal pressure: 150 PSI, filters are hydrostatically tested at 300 PSI.

Operating pH range

- 1 Solutions having a pH range from 2 to 13 with solutions of inorganic salts or chemistries deemed acceptable



Our FRP pipe testing include thorough checks for all raw materials and finished products against strict written standards. This is in addition to the final product – cartridge filter – quality control inspection, leakage and hydrostatic test.

Rest assured that we maintain strict quality control and deliver high standard housings to our clients.

The following flow rates are suggested for standard use, significantly higher rates may be obtained with corresponding pressure drop.

FT-HCFC Series

The FT-HCFC Series contains 6 filter cartridge inside a 200mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFC Product	Flow Rate	Filter Cartridge Size
6HCFC10-2PE	30 GPM	10"
6HCFC20-2PE	60 GPM	20"
6HCFC30-2PE	90 GPM	30"
6HCFC40-2PE	120 GPM	40"



FT-HCFD Series

The FT-HCFD Series contains 12 filter cartridge inside a 300mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFD Product	Flow Rate	Filter Cartridge Size
12HCFD20-3PE	120 GPM	20"
12HCFD30-3PE	180 GPM	30"
12HCFD40-3PE	240 GPM	40"
12HCFD50-3PE	300 GPM	50"

FT-HCFE Series

The FT-HCFE Series contains 22 filter cartridge inside a 400mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFE Product	Flow Rate	Filter Cartridge Size
22HCFE20-4PE	220 GPM	20"
22HCFE30-4PE	330 GPM	30"
22HCFE40-4PE	440 GPM	40"
22HCFE50-4PE	550 GPM	50"



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FT-HCFF Series

The HCFF Series contains 35 filter cartridge inside a 500mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFF Product	Flow Rate	Filter Cartridge Size
35HCFF20-6PE	350 GPM	20"
35HCFF30-6PE	525 GPM	30"
35HCFF40-6PE	700 GPM	40"
35HCFF50-6PE	875 GPM	50"

FT-HCFG Series

The HCFG Series contains 53 filter cartridge inside a 600mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFG Product	Flow Rate	Filter Cartridge Size
6HCFC10-2PE	30 GPM	10"
6HCFC20-2PE	60 GPM	20"
6HCFC30-2PE	90 GPM	30"
6HCFC40-2PE	120 GPM	40"



FT-HCFH Series

The HCFH Series may contain 73 or 82 filter cartridge inside a 700mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing..



HCFH Product	Flow Rate	Filter Cartridge Size	Number of Cartridges
73HCFH30-8PE	1,095 GPM	30"	73
73HCFH40-8PE	1,460 GPM	40"	73
73HCFH50-8PE	1,825 GPM	50"	73
82HCFH30-8FF	1,230 GPM	30"	82
82HCFH40-8FF	1,640 GPM	40"	82
82HCFH50-8FF	2,050 GPM	50"	82

FT-HCFI Series

The HCFI Series may contain 96 or 107 filter cartridge inside a 800mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFI Product	Flow Rate	Filter Cartridge Size	Number of Cartridges
96HCFI30-8PE	1,440 GPM	30"	96
96HCFI40-8PE	1,920 GPM	40"	96
96HCFI50-8PE	2,400 GPM	50"	96
107HCFI30-8FF	1,605 GPM	30"	107
107HCFI40-8FF	2,140 GPM	40"	107
107HCFI50-8FF	2,675 GPM	50"	107



FT-HCFJ Series

The HCFJ Series contains 138 filter cartridge inside a 900mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFJ Product	Flow Rate	Filter Cartridge Size
138HCFJ30-10FF	2,070 GPM	30"
138HCFJ40-10FF	2,760 GPM	40"
138HCFJ50-10FF	3,450 GPM	50"

FT-HCFK Series

The HCFK Series contains 165 filter cartridge inside a 1000mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFK Product	Flow Rate	Filter Cartridge Size
165HCFK30-12FF	2,475 GPM	30"
165HCFK40-12FF	3,300 GPM	40"
165HCFK50-12FF	4,125 GPM	50"





FT-HCFL Series

The HCFL Series contains 183 filter cartridge inside a 1100mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFL Product	Flow Rate	Filter Cartridge Size
183HCFL30-12FF	2,745 GPM	30"
183HCFL40-12FF	3,660 GPM	40"
183HCFL50-12FF	4,575 GPM	50"

FT-HCFM Series

The HCFM Series contains 234 filter cartridge inside a 1200mm barrel.

Cartridge filters flow rates are designed at 5 gpm per 10" equivalent of filter cartridges which is the recommended flow rate for sizing.

HCFM Product	Flow Rate	Filter Cartridge Size
234HCFM30-12FF	3,510 GPM	30"
234HCFM40-12FF	4,680 GPM	40"
234HCFM50-12FF	5,850 GPM	50"

