



HATENBOERWATER

Fresh in water since 1906.

HDCF

Stainless steel cartridge filter housings

The Hatlenboer-Water stainless steel cartridge filter housings are effective, well designed, easy in use and corrosion free filters for fresh water systems. This HDCF filters can be applied as fine filter or as activated carbon fine filter, depending on the type of filter cartridge used.

The HDCF cartridge filters are designed for use of double open-ended (DOE) filter cartridges with lengths from 10 to 40 inch. When activated carbon fine cartridges are used, 10" lengths are stacked up.

The HDCF filter is completely fabricated of corrosion free stainless steel 316L.

The HDCF filter is designed for easy & quick change of the filter cartridges. For these purpose the filter is foreseen with a V-clamp construction for easy access to the cartridges. Furthermore the filter is equipped with an air vent and drain connection. The flanged versions are also equipped with pressure gauge connections at in- and outlet.

Fine Filter

When applied as fine filters turbid matter (e.g. rust, sand) is removed depending on the selectivity of the cartridge filter applied. Standard poly propylene wound filter cartridges can be used with selectivity's from 1-100 microns. For fresh water systems we advise to use 10 micron cartridge filter.

Activated Carbon

When applied as activated carbon water fine filter, most traces of organic based pollution are removed. The physical and chemical quality of the water will be improved in order to prepare drinking water and/or process water free of hydrocarbons (o/a mineral oils), aromatic derivatives, pesticides, detergents, chlorine (de-chlorination) etc.

The water enters the filter unit and passes through a layer of selected granulated activated carbon, which is packed in spiral wound polypropylene filter elements (FDA-quality). The active carbon removes the organic pollution by means of adsorption. At the same time turbid matter is removed by filtration at 5 micron nominal selectivity.

Key features

- Quick change of filter cartridges
- Stainless steel 316 quality for potable water systems
- Applied as fine, carbon or duo filters
- High flow
- Made to measure also possible



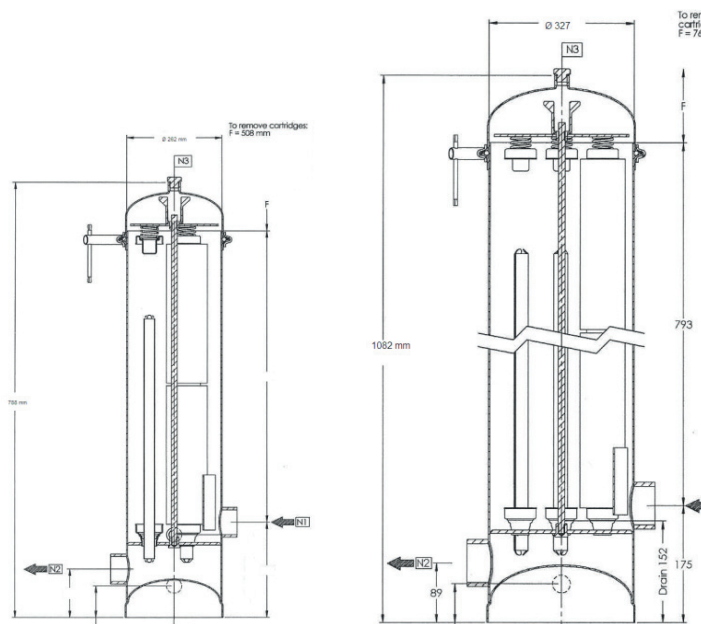
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HDCF range

Under normal conditions the carbon elements (type HAC24870) need to be replaced every three months based on the pressure drop over the filter unit, with a minimum of one replacement per year (drinking water-treatment applications only). This is depending on the drinking feed water quality. Analysis of the feed water and the filtrate water may be required to indicate the interval of filter element replacement.

Activated carbon filter elements will not remove microbiological organisms (a/o bacteria). Therefore we advise to apply a disinfection treatment step after the activated carbon filters.



HDCF 3-20

HDCF 7-30

Part number	10" Elements quantity	Capacity Fine filter m³/h	Capacity Activated carbon m³/h	Dimensions W x H mm	Max. * pressure bar	Empty weight kg	Connections DIN
HDCF 3-10	3	3	1,5	262 x 533	10	10,5	2" BSP (m)
HDCF 3-20	6	6	3	262 x 788	10	13,1	2" BSP (m)
HDCF 3-30	9	9	4,5	262 x 1043	10	15,7	2" BSP (m)
HDCF 3-40	12	12	6	262 x 1334	10	18,3	2" BSP (m)
HDCF 5-20	10	10	5	300 x 824	10	22,5	2" BSP (m)
HDCF 5-30	15	15	7,5	300 x 1079	10	30,5	2" BSP (m)
HDCF 5-40	20	20	10	300 x 1334	10	38,5	2" BSP (m)
HDCF 7-30	21	21	10,5	327 x 1082	10	24	2" BSP (m)
HDCF 7-40	28	28	14	327 x 1337	10	28	2" BSP (m)
HDCF 10-30	30	30	15	470 x 1170	8,5	52	DN80
HDCF 10-40	40	40	20	470 x 1425	8,5	59	DN80
HDCF 12-30	36	36	18	470 x 1191	8,5	51,3	DN80
HDCF 12-40	48	48	24	470 x 1446	8,5	57,5	DN100
HDCF 15-40	60	60	30	520 x 1463	6	72,2	DN100
HDCF 18-30	54	54	27	520 x 1211	6	69,4	DN100
HDCF 22-40	88	88	44	568 x 1379	6	126	DN100

*Higher pressure rating available on request



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