EHV

Applications

EHV single chamber, quartzite sand filters are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. It is recommended for water from rivers, lakes or dams. The special diffusers (candle) located inside on the horizontal collector prevent the quartzite from becoming compact decreasing pressure loss of the whole system. EHV filters can be installed individually, or in two or more filters. Backwash can be manual or automatic

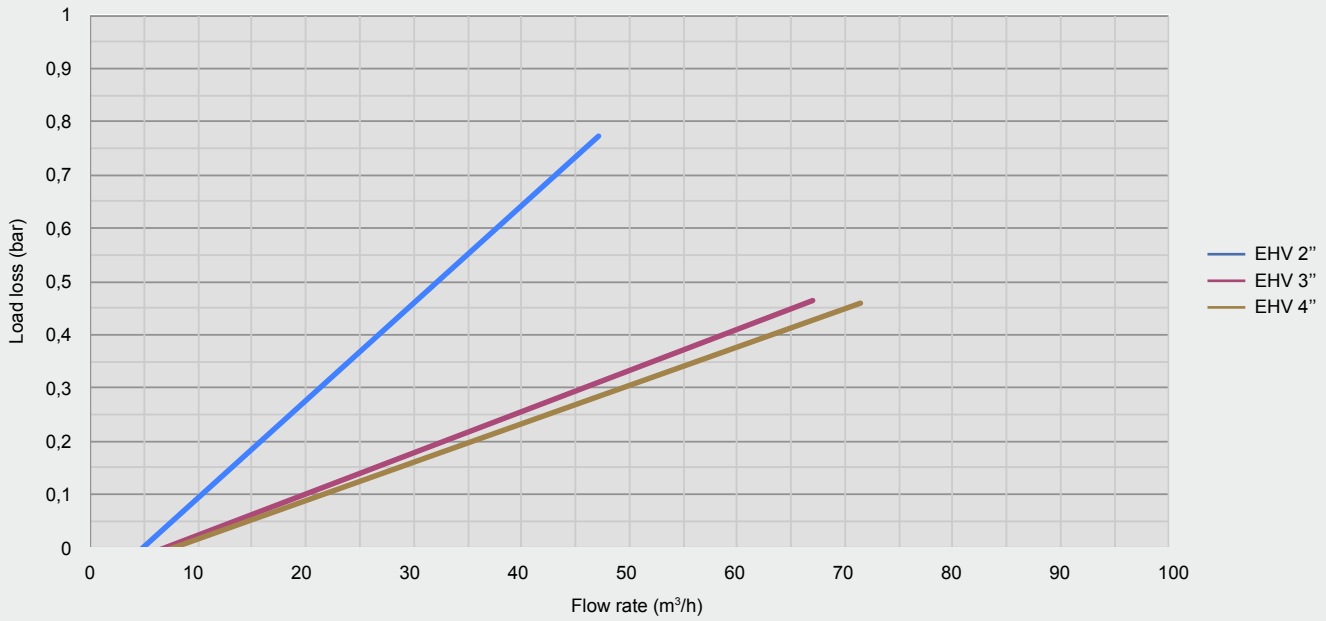
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function
- Gaskets: EPDM
- Diffuser nozzle: polypropylene (stick)

Characteristics

- Maximum working pressure: 8 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve and air release valve

Load loss*



Testing for load loss was carried out with clean water.

EHV

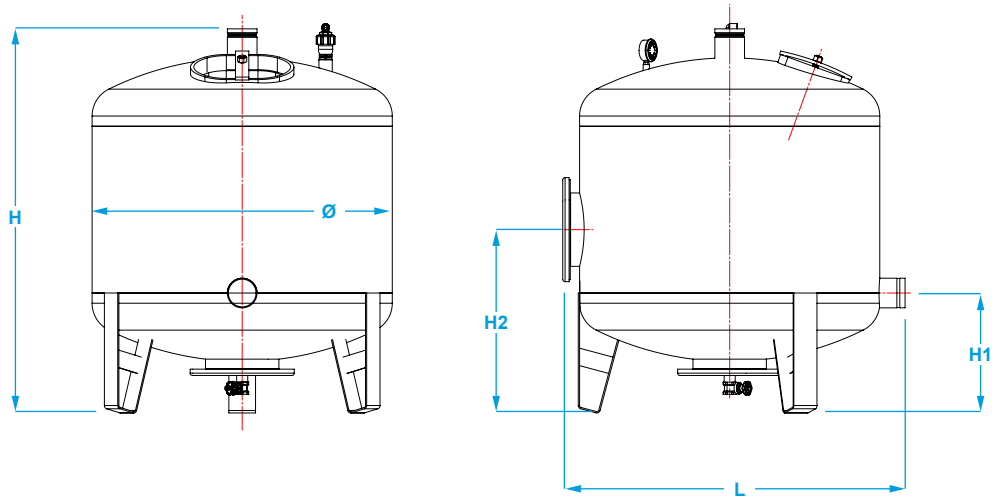
Technical data

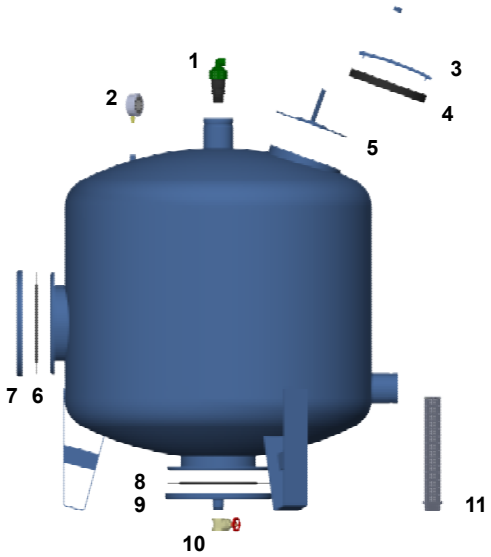
Connections	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)
2"	**IFEHV20H750**	750	21 - 42
3"	**IFEHV30H900**	900	32 - 62
3"	**IFEHV30F900**	900	32 - 62
4"	**IFEHV40H1200**	1200	35 - 90
4"	**IFEHV40F1200**	1200	35 - 90

Connection type: **H** female threaded; **F** flanged; **W** victaulic

Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	BD (mm)	Ø1 (mm)	Weight (kg)	
							H - W	F
900	----	1060	280	730	750	----	112	----
1100	----	1210	365	550	900	----	145	----
1060	----	1170	365	550	900	----	----	150
1360	----	1330	410	690	1200	----	240	----
1360	----	1310	410	690	1200	----	----	245





Components

Number	Description
1	air release valve
2	manometer
3	loading hatchway t-handle
4	loading hatchway gasket
5	loading hatchway cover
6	side discharge hatchway gasket
7	side discharge hatchway cover
8	lower discharge hatchway cover
9	lower discharge hatchway gasket
10	lower discharge hatch. purge valve
11	diffuser nozzle