EQ3V

Applications

EQ3V four 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 located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system.
The EQ3V filter has four chambers, i.e. it is divided in four parts by two plates. Its special structure was designed to reduce dimensions and to make it easily transportable from one system to another, if necessary. The filter is supplied with a backwash system with automatable three-way valves.

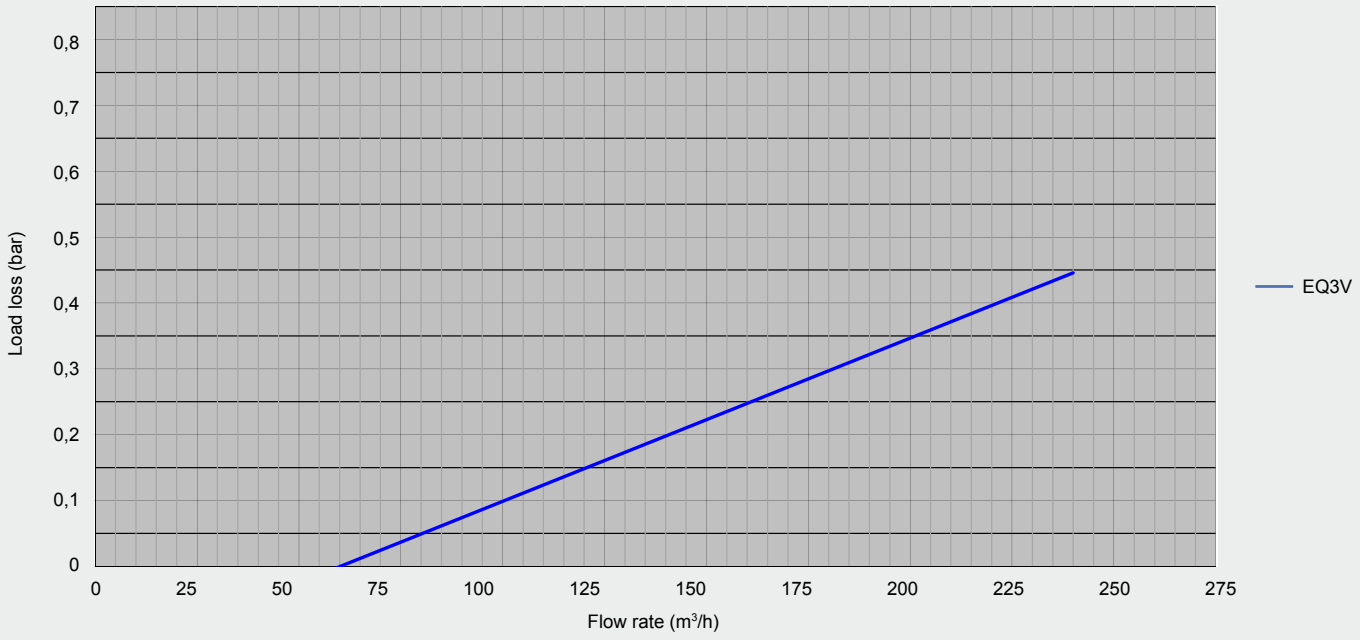
Materials

- 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 (mushroom)
- Backwash valves: cast iron

Characteristics

- Maximum working pressure: 6 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with discharge valves, air release valves, a 3-way valve installation kit, fittings and a discharge pipe
- The EQ3V filter is supplied without automation

Load loss



**Testing for load loss was carried out with clean water.*

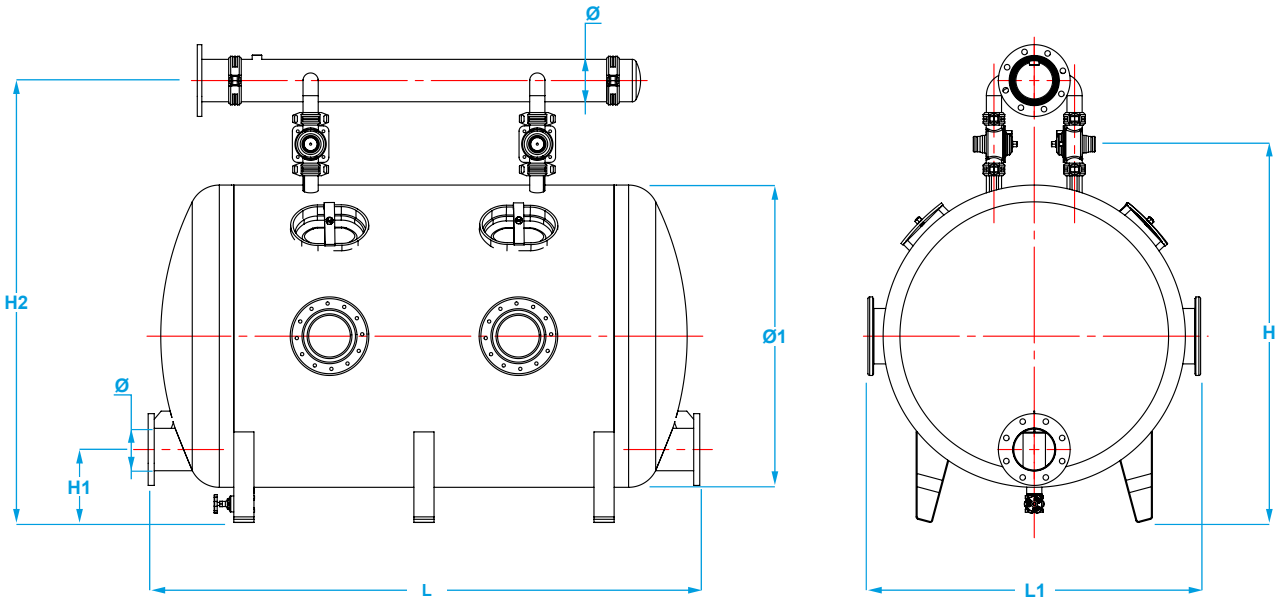
EQ3V

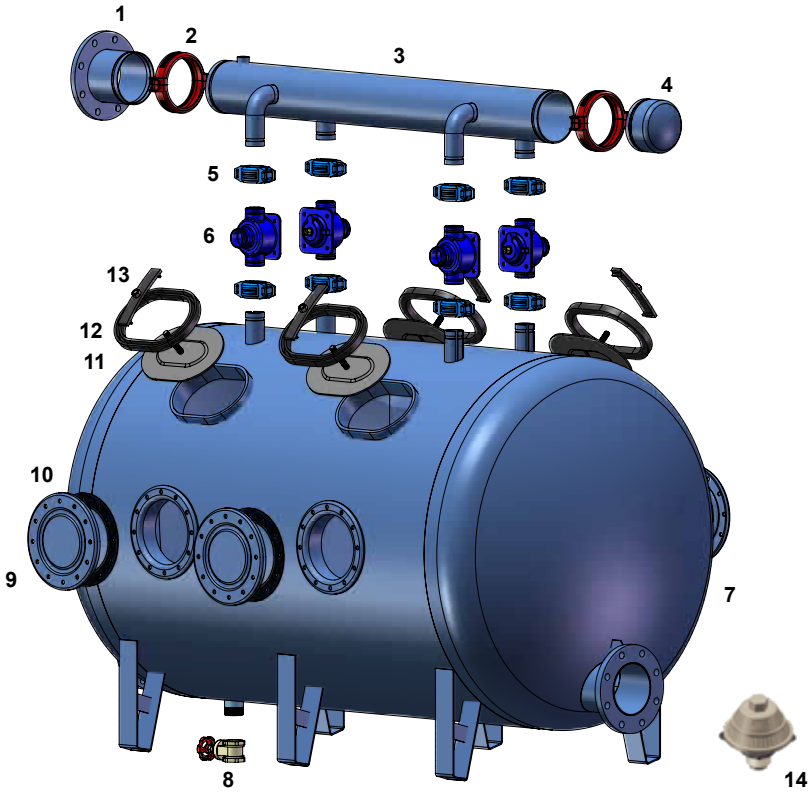
Technical data

Connections	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
6"	**IFEQ3V60F**	1200	80 - 160	100

Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	Ø (inches)	Ø1 (mm)	Weight (kg)	
							H - W	F
2200	1350	1600	300	1850	6"	6"	----	----



Components

Number	Description
1	flange adaptor
2	victaulic fitting 6"
3	collector
4	cap
5	victaulic fitting 3"
6	3-way valve
7	filter body
8	shutter
9	sand discharge hatchway cap
10	sand discharge hatchway gasket
11	sand loading hatchway cover
12	sand loading hatchway gasket
13	sand loading hatchway t-handle
14	diffuser nozzle