GCV

Applications

GCV quartzite sand filtering stations 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 filtering station is composed of two or more sand filters, assembled parallel. The station is equipped with collectors, a 120 mesh safety filter and air vent. The station is supplied with a backwash system with automatable three-way valves.

NOTE: ask the technical office for the hydraulic characteristics based on the executive project

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.
• Safety filtering element: stainless steel AISI 304 with polyester mesh.
• Gaskets: EPDM
• Valves: cast iron
• Collectors: 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.

Characteristics

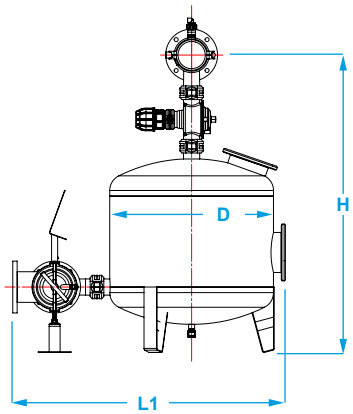
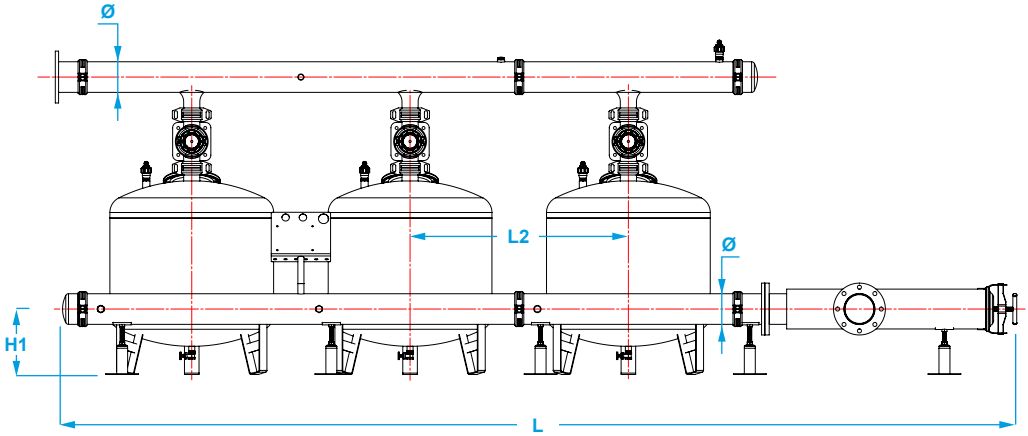
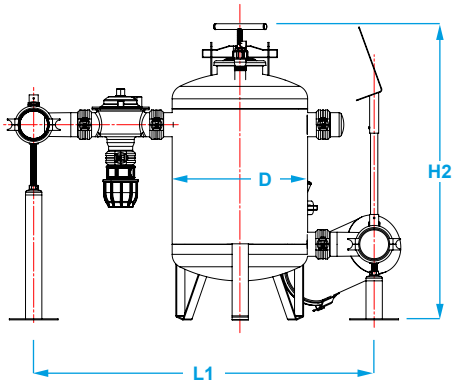
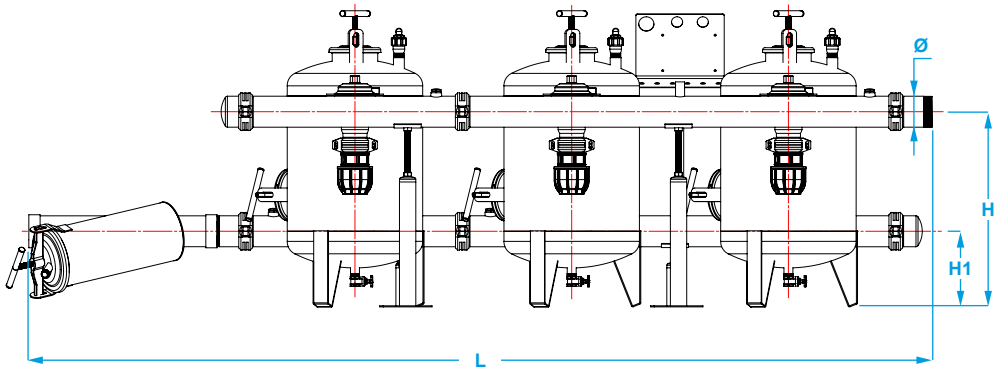
• Maximum working pressure: 8 bar
• Standard filtration grade: 120 mesh
(filtration available: 50, 80, 120, 150, 200 mesh)
• Types of connection: threaded, flanged, victaulic
• The station is supplied without quartzite sand
• The station is supplied without an automation kit

GCV

Technical data

Connections	Pricelist ref.	Flow rate m³/h	Filter model	No. filters
3"	**IFGCV6202SIHI**	40	600mm - 2"	2
4"	**IFGCV6203SLHI**	65	600mm - 2"	3
4"	**IFGCV6204SLHI**	80	600mm - 2"	4
DN150	**IFGCV6205SPFI**	100	600mm - 2"	5
DN150	**IFGCV6206SPFI**	120	600mm - 2"	6
4"	**IFGCV9302SLHI**	80	900mm - 3"	2
DN150	**IFGCV9303SPFI**	120	900mm - 3"	3
DN150	**IFGCV9304SPFI**	160	900mm - 3"	4
DN150	**IFGCV9305SPFI**	200	900mm - 3"	5
DN150	**IFGCV9306SPFI**	250	900mm - 3"	6
DN150	**IFGCV1402PPFI**	140	1200mm - 4"	2
DN150	**IFGCV1403SPFI**	210	1200mm - 4"	3
DN200	**IFGCV1404SRFI**	280	1200mm - 4"	4
DN200	**IFGCV1405SRFI**	350	1200mm - 4"	5
DN250	**IFGCV1406STFI**	420	1200mm - 4"	6

** Contact the technical office*

Dimensions

Ø (inches - DN)	D (mm)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	Weight (kg)
3"	600	1820	1100	730	280	----
4"	600	2400	1100	730	280	----
4"	600	3000	1200	730	280	----
DN150	600	3600	1200	730	280	----
DN150	600	4300	1200	730	280	----
4"	900	3300	1600	1600	350	----
DN150	900	5300	1700	1700	400	----
DN150	900	6400	1700	1700	400	----
DN150	900	7500	1700	1700	400	----
DN150	900	8600	1700	1700	400	----
DN150	1200	*	*	*	*	----
DN150	1200	*	*	*	*	----
DN200	1200	*	*	*	*	----
DN200	1200	*	*	*	*	----
DN250	1200	*	*	*	*	----