HiFlux Filtration A/S

HG Coarse Filters

Ø 2 - 10 mm / 12 - 1512 m^3/h

HiFlux HG Coarse Filters are mainly used for protection of pumps, valves, regulation equipment, instruments, heat exchangers and other components in various process systems.

The filter, which can be used both as a suction filter and as a pressure filter, is constructed in accordance with current standards and norms for pressure vessels.

A compact design which is supplied with straight flow as standard. The filter can also be supplied with right-left flow, or, as a special version, with bottom intake.

The filter housing is manufactured in steel and, depending on the application, various surface coatings can be applied, including polyester, epoxy coating, natural rubber or hot-galvanisation with fitted zinc anodes for corrosion protection. The filter can also be supplied in stainless acid-proof EN 1.4404 steel.

The filter strainer has a maximized area for increased periods of operation, and the standard version is supplied with Ø3 mm, Ø6 mm, Ø8 mm and Ø10 mm filtration. The material is hot-galvanised steel or stainless acid-proof EN 1.4404 steel. Strainers of hot-galvanised steel can be fitted with zinc anodes for increased corrosion protection and therefore a longer life.

All filters are supplied with a ball-type air vent and an end cap or blanking flange at the drain.

The filters are to some extent used by shipyards as cooling water, sea water and bilge water filters where more stringent requirements for standard pressures and corrosion resistance, are made. The filters meet the requirements of all the recognised classification societies.

Data

Design pressure:	10 bar	
Differential pressure clean:	0,1 bar	
Max. working temperature:	110 °C (water) or according to customer requirements	
Test pressure:	According to EN 13445 or classification requirements	
Max. differential pressure:	2,0 bar	
Flange connection:	EN 1092-1	
Filter house material:	Steel (standard) or acid-proof steel EN 1.4404	
Strainer material:	Hot galvanised steel or acid-proof EN 1.4404	
Degree of filtration:	Hot galvanised steel	3-10 mm
	Acid-proof EN 1.4404	2-10 mm

As an option zinc anodes can be fitted in housing and strainer.

Special versions with other surface coatings - including epoxy-coating and vulcanised natural rubber - can be made according to specifications from the customer and classification societies.

Other special versions with regard to building-in, capacity, pressure, etc. can be made in co-operation with our design department.

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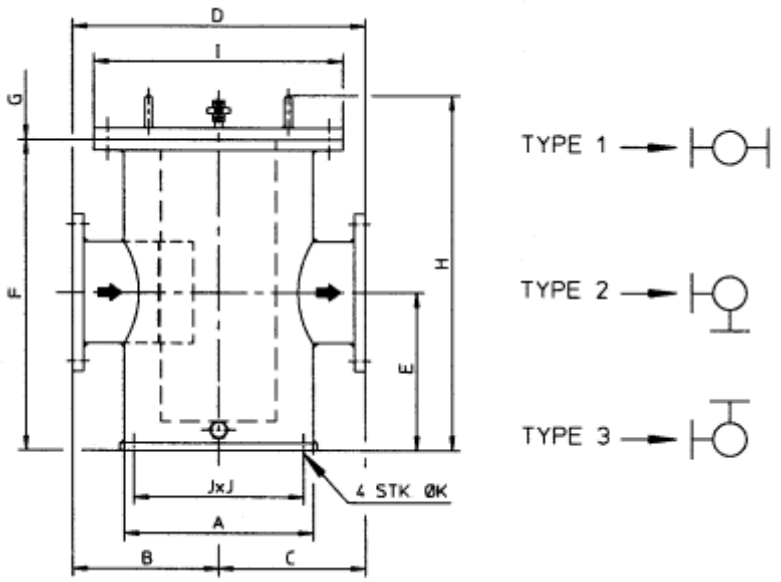

Type	A	B	C	D	E	F	G	H	I	J	K	Drain	Air vent	Conn.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Cap	Valve	DN
HG 50	168,3	155	155	310	185	375	350	460	285			Rp3/4	Rp3/8	50
HG 80	168,3	195	195	390	230	550	430	545	285			Rp3/4	Rp3/8	80
HG 100	219,1	210	210	420	245	550	460	580	340			Rp3/4	Rp3/8	100
HG 125	273	235	235	470	265	533	505	325	395	235	14	Rp3/4	Rp3/8	125
HG 150	323,9	255	255	510	300	597	565	690	445	280	14	Rp3/4	Rp3/8	150
HG 200	406,4	320	320	640	340	671	640	770	565	365	14	Rp3/4	Rp3/8	200
HG 250	508	425	380	805	400	788	750	890	670	435	14	Rp3/4	Rp3/8	250
HG 300	610	465	415	880	435	904	865	1010	780	565	18	Rp3/4	Rp3/8	300
HG 350	610	500	445	945	555	1091	1050	1195	780	565	18	Rp3/4	Rp3/8	350
HG 400	711	560	500	1060	565	1119	1080	1225	895	640	18	Rp3/4	Rp3/8	400

Capacity
(at a viscosity of 1 cSt

	Strainer area	Capacity in m³/h for filtration in Ø mm						Strainer area	Capacity in m³/h for filtration in Ø mm				
Type	**Cm²**	**2 mm**	**3 mm**	**6 mm**	**8 mm**	**10 mm**	**Type**	**Cm²**	**2 mm**	**3 mm**	**6 mm**	**8 mm**	**10 mm**
HG 50	920	12	18	23	23	23	**HG 200**	4300	187	280	340	340	340
HG 80	1700	29	43	53	53	53	**HG 250**	6300	294	442	536	536	536
HG 100	2000	49	74	90	90	90	**HG 300**	9400	416	625	758	758	758
HG 125	2540	75	113	137	137	137	**HG 350**	13060	501	752	912	912	912
HG 150	3300	110	165	200	200	200	**HG 400**	15350	657	986	1196	1196	1196