



1 - 800 micron / 12 - 588 m³/h

HiFlux TP Bag Filters are used where there is a need for reliable filtration from 1 micron with a large dirt capacity. The filter housings are designed for 10 or 16 bar working pressure, and they are equipped with a simple and secure closing system which makes it quick to change filter bags, thereby maximising the time the filters are in operation.

A compact design and a maximum built-in filter surface ensure the best possible flow and consequently a small differential pressure, long intervals between bag changes and lower energy consumption.

The filter consists of three main elements

1. A filter housing which is designed in accordance with current pressure vessel norms and supplied in welded carbon steel or stainless acid-proof EN 1.4404 steel.
2. The support strainer, which can easily be removed from the filter housing, gives the filter bag mechanical strength and ensures that the bag can resist a differential pressure of up to 1 bar. The support strainer is made of stainless steel to ensure durability.
As an optional extra the support strainer can be supplied with the magnetic system of the HiFlux type, which retains even very fine magnetic particles.
3. The filter bag is supplied in several material types and degrees of filtration. A special design in terms of stitching and choice of thread provides a robust filter bag without perforations.
The filter material is selected after careful determination of the degree of filtration and maximum dirt capacity (see also data sheet for filter bags).

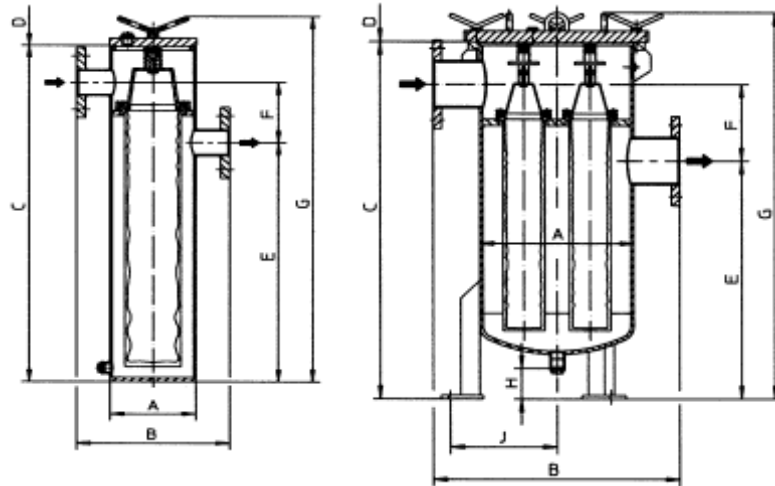
Special versions are available in accordance with the customers' specifications. Typical special versions include a different choice of material, a different connection type/size, different pressure and/or temperature levels. Approvals in accordance with PED 97/23/EC.

Products often filtered with filter bags

District heating water	Cooling water	Cleaning fluids
Photographic chemicals	Varnish	Cutting oils and emulsions
Galvanic baths	Glue	Waste water
Juice	Paint	Sugar solutions
Chemicals	Condensate	Vegetable oils
Cosmetic fluids	Process water	etc.

For other options see also **HiFlux Micro-Line 1050** and **HiFlux Micro-line filters**.





Type	A	B	C	D	E	F	G	H	J	Drain	Air vent.	Connection	Weight	Fittings
	mm	mm	mm	mm	mm	mm	mm	mm	mm		plug	DN	kg	no.
TP 2130	168,3	300	780	655	553	140	850	-	-	G½B	G½B	50	34	2
TP 2130	168,3	300	780	655	553	140	850	-	-	G½B	G½B	80	36	2
TP 4250	219,1	360	830	690	535	225	900	-	132	G½B	G½B	80	54	4
TP 4250	219,1	360	865	690	555	225	930	-	132	G½B	G½B	100	55	4
TP 6300	219,1	360	1270	1100	960	225	1335	-	132	G½B	G½B	100	70	4
TP 4x2130	406,4	650	1000	665	665	215	1100	115	280	GB1	G½B	125	185	6
TP 4x4250	508,0	750	1400	1000	920	300	1480	210	330	DN50	G½B	150	~215	10
TP 4x6300	508,0	750	1800	1400	1180	400	1880	210	330	DN50	G½B	200	~275	10
TP 5x4250	610,0	850	1450	1050	945	300	1530	210	380	DN50	G½B	200	~265	12
TP 5x6300	610,0	850	1860	1460	1210	400	1940	210	380	DN50	G½B	250	~330	12

HiFlux standard filters type TP are manufactured in carbon steel or stainless acid-proof steel EN 1.4404.

- Design pressure: 10 bar or 16 bar
- Test pressure: According to EN 13445
- Max. differential pressure: 1,0 bar
- Max. working pressure: 110° C (water) or according to customer requirements
- Flange connection: EN 1092-1, 2 pcs. pressure outlets G½B
- Filter bags: See data sheet for filter bags
- Polypropylene: 1-5-10-25-50-100-200 micron (max. 90° C)
- Polyamide (only 2130): 10-50 micron (max. 120° C)
- Polyester: 1-5-10-25-50-75-100-150-200-300 (max. 110° C)

Capacity: (at a viscosity of 1 cSt and 5 micron filtration)	TYPE	Connection DN	Filter area cm ²	Capacity in m ³ /h at differential pressure				
				0,05 bar	0,10* bar	0,15 bar	0,2 bar	0,3 bar
	TP 2130	50	2130	12	19	23	27	34
	TP 2130	80	2130	12	21	27	32	37
	TP 4250	80	4250	25	34	42	48	59
	TP 4250	100	4250	36	48	59	68	83
	TP 6300	100	6300	36	48	59	68	83
	TP 4x2130	125	8520	60	108	130	144	178
	TP 4x4250	150	17000	118	160	196	225	276
	TP 4x6300	200	25200	199	270	332	380	467
	TP 5x4250	200	21250	170	230	282	324	400
	TP 5x6300	250	31500	251	340	418	479	588

* It is recommended that the filter installation shall be dimensioned on the bags of a differential pressure of 0,1 bar.