

## IN-LINE BASKET STRAINER FILTERS - FCL

FCL in-line basket strainers are static mesh filters with a stainless steel body. They operate by means of a filtering strainer with AISI 316 stainless steel mesh, which is easy to access via a lid with folding clamps that allow easy and quick maintenance with reduced downtimes.

FCL in-line basket strainers are suitable as protection filters for pumps that use water from wells, rivers, and canals with a medium load of large suspended solids.

### SPECIFICATIONS

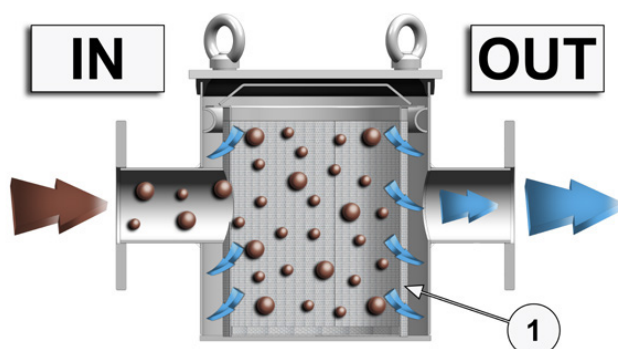
- Construction in Stainless Steel AISI 304 (M1) or 316 (M2)
- Filtration from 3000 to 2000  $\mu\text{m}$
- Flanged couplings (F) ISO PN16 from DN40 to DN150
- Compliant with PED Directive 2014/68/EU (Pressure Equipment)
- Compliant with Directive 2006/37/EC (applicable to installation if filter is connected to a PLC system)

### Technical data

- Max. operating pressure: 10 bar
- Max temperature: 95°C
- Salinity and Acidity: <10000 ppm TDS, pH 3-9
- Connections: ISO PN16

### Filter basket

The filter element is a basket made of AISI 316 stainless steel mesh with a degree of filtration of 2000 or 3000  $\mu\text{m}$ . It is able to withstand even the most abrasive suspended solids, and with its handle, it is very easy to remove for maintenance purposes.

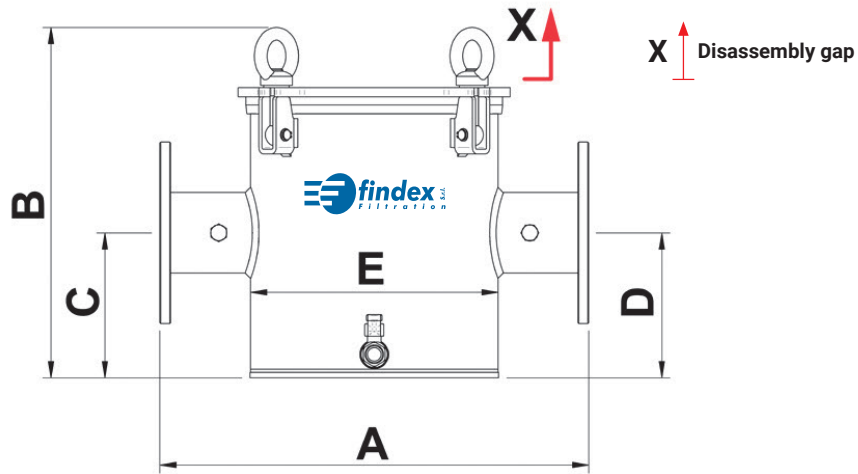
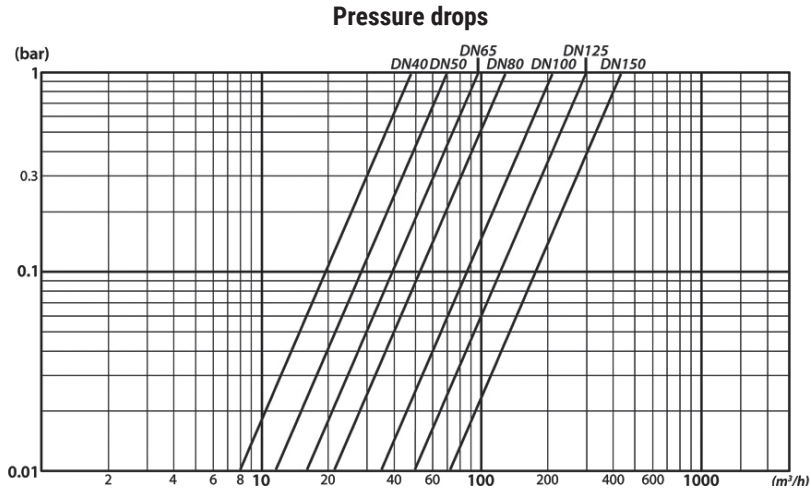


### Operation

The water to be treated feeds the filter via the connection (**IN**), flows through the filter basket (**1**) which retains the suspended solids internally and flows filtered out of the outlet (**OUT**).

### Cleaning

The filter basket must be cleaned manually when the gradual build-up of suspended solids causes an excessive pressure difference (0.8 - 1 bar for pressure applications,  $\leq$  0.3 bar for suction applications) between filter inlet and outlet. Cleaning or replacement of the filter basket must be carried out in the absence of pressure and requires the filter to be opened.



Model	Max. flow rate	Connections		Filtering surface area	Dimensions (mm)						Weight
	m <sup>3</sup> /h	In/Out	Drain		cm <sup>2</sup>	A	B	C	D	E	
FCL 40	20	DN40	1/2" BSPP	1630	473	386	150	150	273	350	25
FCL 50	40	DN50	1/2" BSPP	1630	473	386	150	150	273	350	25
FCL 65	60	DN65	1/2" BSPP	1630	473	386	150	150	273	350	26
FCL 80	80	DN80	1/2" BSPP	1630	473	386	160	160	273	350	26
FCL 100	140	DN100	1/2" BSPP	1630	473	386	180	180	273	350	27
FCL 125	210	DN125	1/2" BSPP	1970	473	456	210	210	273	420	30
FCL 150	300	DN150	1/2" BSPP	1970	473	456	210	210	273	420	33