

SBL-I Series

● DESCRIPTION

SBL-I straight-through flat-bottomed basket strainer (often abbreviated as blue strainer) belongs to pipeline coarse filtration equipment, which is installed at the front end of pipeline, pump inlet and in front of valve to intercept solid particles, welding slag, rust, fibers and sundries in fluid and protect back-end pumps, instruments, heat exchangers, hydraulic components and other equipment. The overall design is composed of cylinder, upper cover, filter basket, sealing gasket, inlet and outlet flanges, thread mouth, lifting ring and quick-opening rocker arm. The inner core filter element is metal mesh basket, which can be used for single-layer and double-layer composite filter screen, which is convenient for disassembly and cleaning.

● WORKING PRINCIPLE

The liquid enters the cavity of the filter cartridge from the lower part and side inlets of the equipment, and the whole cavity is divided into an outer liquid inlet area and an inner liquid outlet area by the filter basket.

Fluid penetrates the metal strainer screen from the outside to the inside of the filter basket; The liquid can pass through the mesh, and solid impurities such as rust, welding slag, sediment, particles and plastic debris in the liquid are blocked on the outer wall of the filter basket and accumulated.

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● FEATURES

1. The filtration area is large, the flow rate is large, the pressure loss is small, and the pollution capacity is large.
2. Open the cover to take out the filter basket, which is convenient to clean and reusable.
3. The specifications, materials and accuracy are optional, and it is suitable for all kinds of liquids such as water, oil and chemical industry.
4. Effectively intercept solid impurities and protect back-end equipment such as pumps and meters.

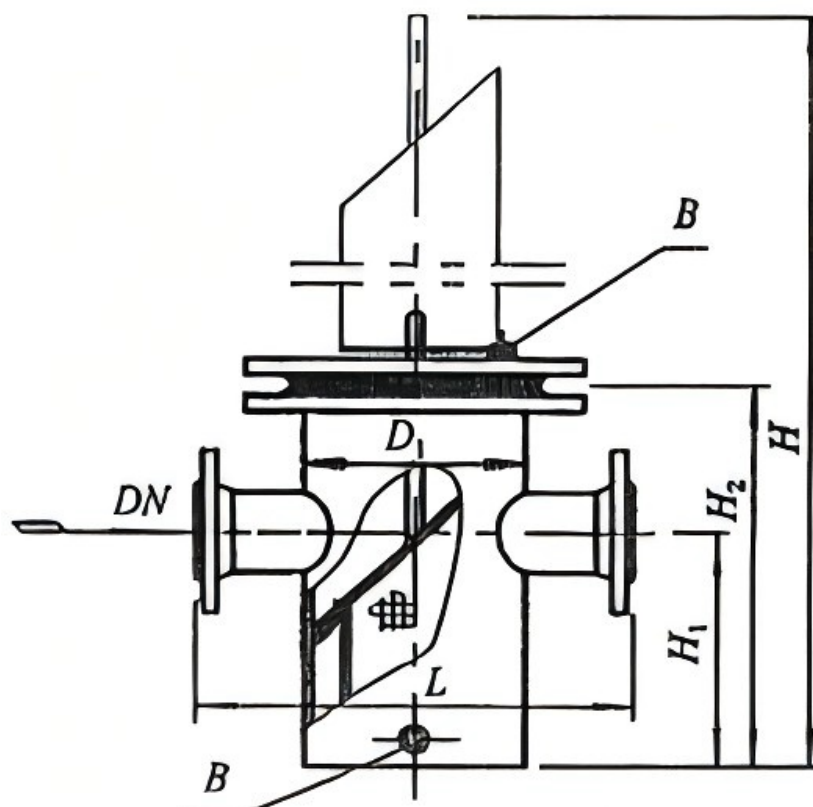
● APPLICABLE CONDITION

Pump front-end protection, intercepting iron filings, petroleum, petrochemicals, power plants, crude oil pipelines, heat-conducting oil, boiler water supply, water treatment, central air conditioning, circulating water pipelines to remove rust, sediment, paint, ink, glue production line, filter particle agglomeration, food, pharmaceutical industry, paper making, printing and dyeing: coarse filtration of paper pulp and dye liquid, construction machinery, injection molding equipment, and oil circuit protection filtration.

Ordering Options Table

	SBL-I - 100 - F - Q - 30 - N - 16P
Filter type	
Filter specification	
DN: 25 32 40 50 65 80 100 150 200 250 300	
Connection	
F: Flange Connection H: Welded Connection	
Filter body material	
Q: Carbon steel (Q235) S: Stainless Steel (304) L: Stainless Steel (316)	
Filtrarion fineness(μm)	
10 20 30 40 60 80 100	
Seals	
N: NBR V: FKM P: Polytefr	
Nominal pressure(Bar)	
10P 16P 25P 40P	

DIMENSIONS



Nominal pressure PN(Mpa)	Nominal DN mm	Unit: mm					Drain oil B
		D1	L	H1	H2	H	
2.0	25	89	220	160	260	480	R3/8
	32	89	220	165	270	495	R3/8
	40	114	280	180	300	550	R3/8
	50	114	280	180	300	550	R1/2
	65	140	330	220	350	650	R1/2
	80	168	340	260	400	740	R1/2
	100	219	420	310	470	880	R3/4
	150	273	500	430	620	1175	R3/4
	200	325	560	530	780	1495	R3/4
	250	426	660	640	930	1810	R3/4
	300	478	750	840	1200	2310	R3/4