Basket Filter NO.8826

Description

The basket filter is used on oil or other liquid pipes to filter the debris in the pipe. The filter hole area is more than 2-3 times larger than the diameter pipe area. Far more than Y-type, T-type filter filter area. The strainer structure is different from other strainers because it is shaped like a basket and is called a basket strainer.

The basket filter is mainly composed of a pipe, a barrel, a basket, a flange, a flange cover, and a fastener. Installed in the pipeline can remove large solid impurities in the fluid, so that machinery and equipment (including compressors, pumps, etc.), instruments can work properly and operate, to stabilize the process, to ensure the role of safety in production.

The filter is a small device that removes a small amount of solid particles in the liquid and can protect the compressor, pump, instrument and other normal work. When the fluid enters the filter barrel with a certain size of filter, the impurities are blocked and the filtrate is cleaned. Then it is discharged from the filter outlet. When cleaning is required, the detachable filter barrel can be removed and reinstalled after processing. Therefore, it is extremely convenient to use and maintain. Has been widely used in petroleum, chemical, pharmaceutical, food, environmental protection and other industries. If it is installed in series in the pump inlet or other parts of the system pipeline, it can not only extend the life of the pump and other equipment, but also ensure the safety of the entire system.

Basket filter works

When the pipeline is installed, other debris will be brought into the pipeline, and raw materials in the production also contain impurities. When the liquid in the pipe passes through the filter, its dirt is collected by the filter into the filter, and the cover can be cleaned to clean the filter at a certain degree.

Basket filter technical parameters

• Operating temperature: -10 °C - +150 °C
• nominal diameter: DN15-DN600
• Nominal pressure: PN1.0-5.0Mpa
•Flange standard: HG20592-97 (can also be manufactured according to user requirements)
• Shell material: A3, 304, 304L, 316, 316L
• Sealing material: PTFE, nitrile rubber, oil-resistant asbestos rubber
• Manufacturing Inspection Standard: HGJ532-91

Basket filter

Basket filter cleaning method

When cleaning is needed, unscrew the bottom plug of the main pipe, drain the fluid, remove the flange cover, and then re-install it after cleaning.

Test pressure and test:

The pressure of the filter hydrostatic test is 1.5 times the design pressure and the holding time is 30 minutes, ensuring no penetration and deformation.

Basket filter selection principle

• Import and export path:

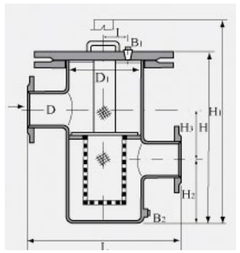
In principle, the inlet and outlet of the filter should not be smaller than the matching inlet diameter of the pump, generally the same as the diameter of the inlet pipe.

• Nominal pressure:

The pressure rating of the filter is determined by the highest possible pressure in the filter line.

• Selection of the number of holes:

The main consideration is the particle size of the impurities to be intercepted, which depends on the process requirements of the media process. The size of screen sizes that can be intercepted by various specifications can be found in the table below.



Technical Parameters

Filter No.	Dimensions						
	in	D1	L	H	H1	H2	Effective filtration area
RCLS-DN25	1	76	180	260	410	160	0.0162
RCLS-DN25	1-1/2	108	260	300	560	170	0.0315
RCLS-DN25	2	108	260	300	560	170	0.0315
RCLS-DN25	2-1/2	133	330	360	637	174	0.0461
RCLS-DN25	3	159	340	400	719	214	0.0590
RCLS-DN25	4	219	400	470	881	272	0.1077
RCLS-DN25	5	273	480	550	1079	345	0.1759
RCLS-DN25	6	273	500	630	1276	404	0.2910
RCLS-DN25	8	325	560	780	1397	446	0.4076
RCLS-DN25	10	426	660	930	1544	495	0.5017
RCLS-DN25	12	478	750	1200	1793	563	0.6800
RCLS-DN25	16	529	920	1500	2050	720	0.8156

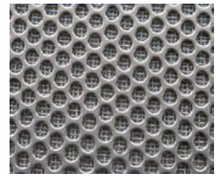
Stainless Steel Composite Mesh Form

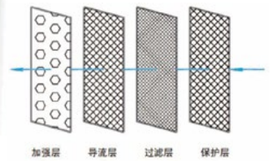
NO.8827

Shanghai Ruicui Fluid Equipment Co.,Ltd.
上海瑞萃流体设备有限公司

Composite Metal Sintered Mesh

VBD Composite Metal Sintering Mesh (abbreviated as VBD Compound Mesh) The filtering surface is composed of a protective layer, a filter layer, a diversion layer and a reinforcement layer. It is combined with an advanced vacuum high temperature compounding technology to provide durability, washability, and filtration. Outstanding advantages of good results.





Technical Features

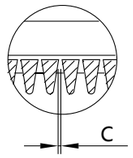
• Accuracy range 1-1000 microns
• Combines four layers into one by using composite technology
• Main body 316L material, excellent corrosion resistance
• The filter layer has no wire offset filter effect

Stainless Steel Winding Filter (Wedge Mesh) NO.8828

Metal wedge network

VBN wedge network (abbreviated as VBN filter) is suitable for high-precision filtration, has a unique filter surface structure, the surface is smooth, excellent scraping and cleaning effect, filter aperture gap uniform, is a key component for efficient and stable filtration, one Forming, strong structure, durable, unlike common woven filter that is easy to damage, it can tolerate high positive and negative pressure difference, pore diameter does not change with increasing pressure, and long service life.

Wedge filter



Number of meshes	C(mm)	Effective area
30	0,55	48
40	0,40	46
60	0,30	52,6
80	0,20	42
100	0,15	36,2
165	0,10	45,4

Technical features

• Precision range 30-2000 microns
• Precise surface seam width, less than 5 microns in deviation
• Main body 304, 316L material, excellent corrosion resistance
• V-shaped gap, not easy to get stuck, long-term stable flow
• The outer and inner surfaces are smooth, easy to scrape and have minimal wear on the blade
• Can be filtered more than impurities, such as sludge impurities, soft agglomerate impurities, etc.
• The surface is specially hardened and hardened to significantly prolong service life
• High twist structure, when the differential pressure rises, the gap is not deformed
• Tolerate high strength forward and reverse pressure shocks
• Width 0.75mm, 1.0mm, 1.2mm