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KTN
Kara Technology News

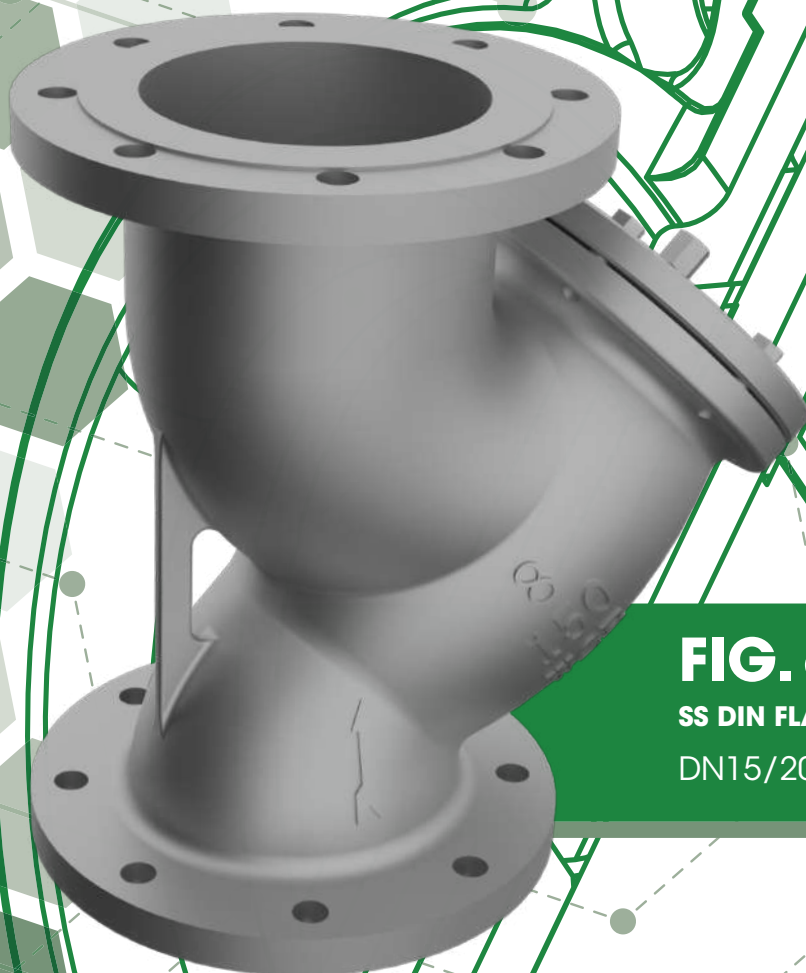


FIG. 621Y

SS DIN FLANGED STRAINER

DN15/200 | PN10/16

KTN FLANGED STRAINER:

Our **DIN3357 standard filters** are used in industrial applications to **remove solid particles from liquids or gases**. It consists of a perforated or mesh screen that traps the particles while allowing the fluid or gas to pass through. The flanged design refers to the presence of flanges on the strainer, which allow for easy installation and removal by bolting the strainer in place.

Flanged industrial strainers are commonly used in pipelines **to protect pumps, valves, and other equipment** from damage caused by debris or contaminants in the fluid flow. They are available in various sizes, materials, and configurations to suit different industrial requirements.

Pressure range according to **PN16** or **PN10** in **DN200**. Range from **DN15 to 200**. Check our KTN611Y if you need a threaded ends option.

1 Body:

Body and bonnet are made in CF8M stainless steel, this is a versatile steel with excellent corrosion resistance, strength and heat resistance. The housing encloses the filter element and provides structural support and protection. It is designed to withstand PN 16 pressure, and can work up to 425°C.

2 Mesh:

The mesh is made of 316 stainless steel due to the material's corrosion resistance and durability. The specific mesh size to use will depend on the application requirements and the desired level of filtration efficiency.

40 Mesh: A 40 mesh size filter will have 40 openings per inch. It is considered a medium-coarse mesh size and can effectively filter out particles larger than 425 microns.

60 Mesh: A 60 mesh size filter will have 60 openings per inch. It provides a finer level of filtration compared to 40 mesh, filtering out particles larger than 250 microns.

80 Mesh: An 80 mesh size filter will have 80 openings per inch. It offers even finer filtration, capturing particles larger than 177 microns.

100 Mesh: A 100 mesh size filter will have 100 openings per inch. This is a fine mesh size that can filter out particles larger than 149 microns.

3 RPTFE gasket:

Gaskets are made of RPTFE (Reinforced PTFE) gaskets used to seal the body and cap they offer excellent properties such as chemical resistance to a wide range of substances, high temperature resistance, pressure resistance for reliable sealing under high pressures, non-stick properties for easy removal during maintenance, and longevity due to their durability and resistance to wear and tear.

4 Screw cap:

A 316 screw cap in a filter is used for sealing and securing the filter housing. It is located at one end of the housing and closes it off after the filter element is installed. The screw cap ensures that the filter remains securely in place, preventing leaks or contamination of the filtered fluid. It also allows for easy access to the filter element for maintenance or replacement.

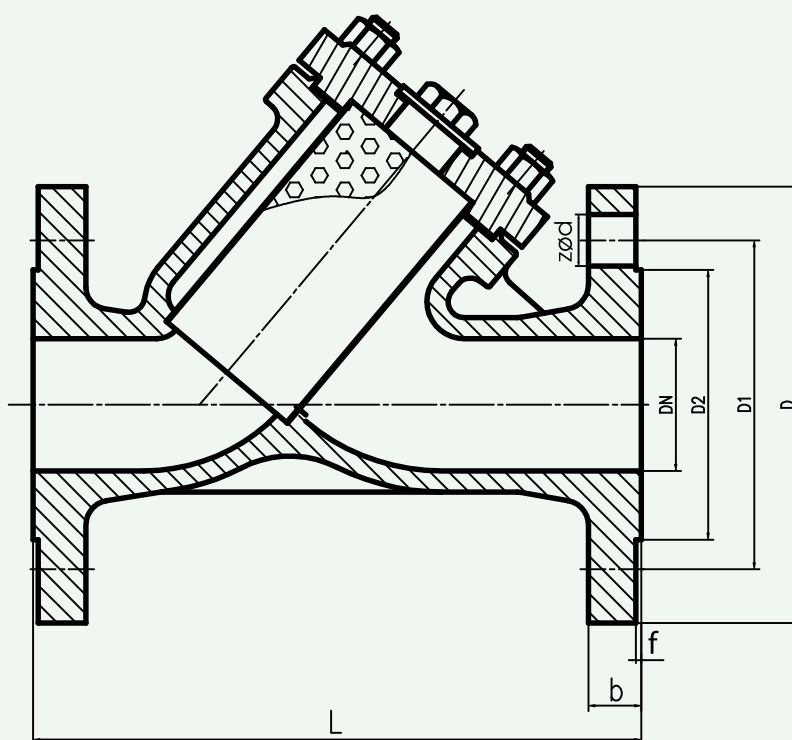


KTN621Y | DIMENSIONS AND PRESSURE / TEMPERATURE RATING

CAST STAINLESS STEEL BODY DIN FLANGED STRAINER

DESIGN	
Design	DIN3356
Face to face	DIN 3202
RF Flanged	DIN 3230
Test	DIN2543-2546
Mesh	40

PERFORMANCE SPECIFICATIONS	
Nominal pressure	PN16 (PN10 DN200)
Shell strength	2.4MPa (Water)
Suitable temperature	-29°C ~425°C
Media	Water / Steam / Oil



OUTLINE DIMENSIONS										
DN	"	PN	L	D	D1	D2	b	z - ø d	f	Mesh (Cilinder)
15	1/2"	PN16	130	ø95	ø65	ø45	16	4 - ø14	2	18*67
20	3/4"		150	ø105	ø75	ø58	18	4 - ø14	2	23*73
25	1"		160	ø115	ø85	ø68	18	4 - ø14	2	27*82
32	1 1/4"		180	ø140	ø100	ø78	18	4 - ø18	2	35*87
40	1 1/2"		200	ø150	ø110	ø88	18	4 - ø18	3	43*94
50	2"		230	ø165	ø125	ø102	18	4 - ø18	3	52*108
65	2 1/2"		290	ø185	ø145	ø122	18	4 - ø18	3	64*120
80	3"		310	ø200	ø160	ø138	20	8 - ø18	3	78*147
100	4"		350	ø220	ø180	ø158	20	8 - ø18	3	99*160
125	5"		400	ø250	ø210	ø188	22	8 - ø18	3	127*195
150	6"	PN10	480	ø285	ø240	ø212	22	8 - ø20	3	156*222
200	8"		515	340	295	268	24	8 - ø20	3	208*280

KTN 621 | PARTS & MATERIALS

CAST STAINLESS STEEL BODY DIN FLANGED STRAINER

