## Y- STRAINER



## **Product Description**

TVN V851 Y-Strainers are one of the most crucial elements on installation systems which protects the valves, pumps, meters, control valves and other installation elements by filtering unwanted solid contaminants like the dust, mass particles and residue from the liquid, gas or steam lines by means of a perforated or wire mesh based straining element.

The advantage offered by TVN Strainers is that due to the compact construction, they can be employed where there are space constraints and where a strong structured strainer is required.



Technical Data					
Size range	DN50 - DN600				
Pressure range	PN10 - 16				
Temperature	-10°C to +200 °C				
Face to face	EN 558 Series 1 / DIN 3202 F1				
Flange drilling	EN 1092-2 / ISO 7005-2				
Coating	Electrostatic Powder Epoxy				
Testing	EN 12266-1				
Marking	EN 19				

## **Application Range**

- Water & Waste Water Systems
- **Pumping Stations**
- **Seawater Applications**
- Tanks & reservoirs
- Chamber Installation

### **Related Products**

- V201 Swing Check Valve
- V151 Gate Valve
- V106 Flanged Butterfly Valve
- V651 Expansion Joint
- V101 Wafer Butterfly Valve



















#### **Product Features**

- Can be installed either vertically or horizontally as long as the strainer part is downwards located
- The Stainless Steel filter material ensures longer life.
- Widely used in Heating, Cooling, Ventilation systems, for water and agricultural purposes
- With the discharge nut located on the cover part, easy to clean when needed. Ball valve attachment on discharge nut is
- By removing the cover part, screen mesh filter can be replaced
- The mesh size is precisely selected in order to be used in wide range of applications. In addition maintains a lower pressure loss. Filter mesh sizes can be changed upon request on volume based orders
- Painted internally and externally by epoxy painting
- Magnetic rod attachment can be applied on cover part when filtration of metallic particles are needed











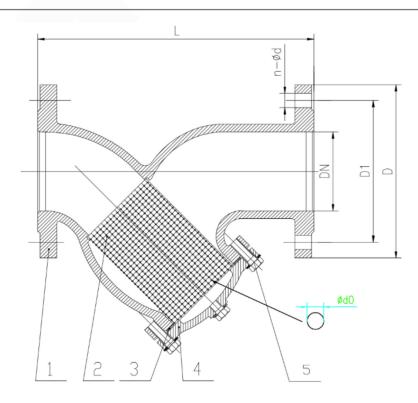




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## **Material List**

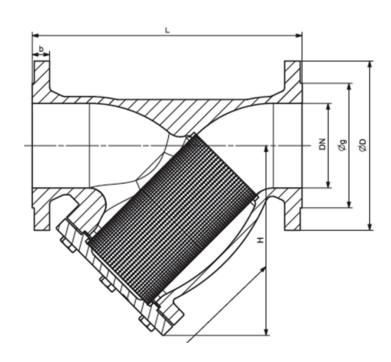


No	Part	Material	Grade	
1	Body	Ductile Iron	GGG50 Ductile Iron	
2	Screen	Stainless Steel	AISI 304 / AISI 316 Stainless Steel	
3	Seating	Rubber	EPDM	
4	Bonnet	Ductile Iron	GGG50 Ductile Iron	
5	Bolt	Stainless Steel	A2 (AISI304) Stainless Steel	

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## **Dimensions Table**



DN	L	D	g	Н	b	Mesh
50	230	165	99	145	19	10
65	290	185	118	165	19	10
80	310	200	132	175	19	7
100	350	220	156	235	19	7
125	400	250	184	265	19	7
150	480	285	211	300	19	4
200	600	340	266	340	20	4
250	730	405	319	390	22	4
300	850	460	370	440	24.5	4
350	980	520	429	520	26.5	4
400	1100	580	480	630	28	4
500	1250	715	609	900	31.5	4
600	1450	840	720	1100	36	4