



Cast Iron (CI) Flanged Y-Type Strainer

Product Overview

Valtrix make Cast Iron Flanged Y-Strainer is engineered to provide reliable protection for pumps, valves, and downstream equipment by efficiently removing debris from fluid systems. Manufactured from high-grade cast iron, it delivers robust performance and long service life even in demanding HVAC, water, and glycol-based applications. Its streamlined Y-design ensures minimal pressure drop, while the stainless-steel perforated screen offers superior filtration and easy maintenance. Built to industry standards, this strainer ensures consistent system reliability and smooth operation.



General Technical Specifications:

Parameter	Specification
Product Type	Flanged Y-Type Strainer
Sizes	DN15 to DN300
Pressure Rating	PN16
Flange Compatibility	PN16 / ANSI B16.5 Class 150
Strainer Type	Y-Type, Inline Strainer
Screen Type	Perforated / Mesh (as required)
Operation	Maintenance via removable cover (bolted)
Temperature Range	-10°C to +100°C (depends on gasket & screen material)

Material Construction & Standards:

Component	Material Options	Material Standards (Typical)
Body	Cast Iron (CI)	IS 210 FG 260 / EN-GJL-250
Bonnet / Cover	Cast Iron (CI)	IS 210 FG 260
Screen (Perforated/Mesh)	SS304 / SS316	AISI 304 / 316
Gasket	EPDM / NBR / Graphite	EN 681-1 / ASTM D2000
Bolts & Nuts	Carbon Steel / SS304 / SS316	ASTM A193 / A194
Drain Plug (optional)	CS / SS304 / SS316	ASTM A276
Coating	FBE / Epoxy / PU Based	ISO 12944



Performance Data:

Features	Details
Filtration Level	Typically 1.5–3.0 mm perforation; fine mesh optional
Flow Direction	Uni-directional (arrow marked on body)
Dirt Holding Capacity	High capacity Y-type design
Pressure Drop	Low pressure loss due to tapered geometry
Vacuum Suitability	Suitable depending on gasket/screen type
Service Media	Water, Chilled Water, Glycol (Optional).

Testing Data:

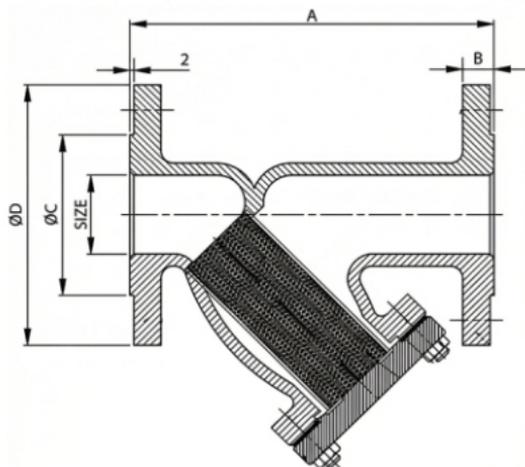
Test	Pressure / Standard
Hydrostatic Shell Test	1.5 x Rated Pressure
Working Test	1.1 x Rated Pressure
Visual & Dimensional Check	Manufacturer Standard



Dimensions:

SIZE		NB	A	B	ØC	ØD
inch	MM					
1"	25	25	127	11	51	108
1.1/2"	40	38	165	14.2	73	127
2"	50	51	203	15.7	92	152
2.1/2"	60	64	216	17.5	105	178
3"	80	76	241	19	127	190.5
4"	100	102	292	24	157	229
5"	125	126	356	24	186	254
6"	150	152	406	25	216	279
8"	200	203	495	28.5	270	343
10"	250	254	622	30	324	406
12"	300	300	698	32	381	483
14"	350	350	787.5	35	413	533.5
16"	400	400	914.5	36.5	470	597

Drawing:



Notes:

Product images are for reference only; actual products may differ based on model and manufacturing variations.

Dimensions and specifications are subject to change as part of ongoing product improvements. Please verify all details prior to placing an order.