



MS Fabricated Pot Strainer

Product Overview

Valtrix make MS Fabricated Pot Strainer is a robust and high-capacity filtration solution engineered to protect pumps, chillers, heat exchangers, and critical downstream equipment in HVAC and industrial systems. Its heavy-duty mild-steel construction and large straining area ensure efficient removal of debris with minimal pressure drop. Designed for easy maintenance with a removable basket, this strainer offers reliable operation in chilled water, condenser water, and general utility applications. Built for durability and long service life, it supports stable system



General Specifications:

Parameter	Specification
Product Type	MS Fabricated Pot Strainer (Basket / Bucket Type)
Sizes	DN50 to DN600 (2" to 24")
End Connection	Flanged – PN10 / PN16 / ANSI Class 150
Standard	As per Manufacturer Standard
Medium	Water, HVAC Chilled Water, Cooling Water, Firefighting Water, Non-corrosive fluids
Design Type	Top Cover removable basket
Cleaning Method	Manual – removable perforated basket
Installation Position	Horizontal (standard)

Material Construction & Standards:

Component	Material Options	Material Standards (Typical)
Body	Mild Steel (MS)	IS 2062 Gr. A / Gr. B
Bonnet / Cover	Mild Steel	IS 2062 Gr. A / Gr. B
Basket / Screen	Stainless Steel SS304 / SS316	ASTM A240 / AISI 304, 316
Gasket	Rubber / EPDM / NBR	EN 681-1 / ASTM D2000
Bolts & Nuts	Carbon Steel / SS304 / SS316	WCB / CF8 / CF8M
Drain Plug	MS / SS304	IS 2062 / AISI 304
Flanges	MS – Welded	IS 2062 + ASME B16.5
Coating (Internal & External)	Red Oxide Primer / Epoxy / FBE	ISO 12944 / AWWA C210 (Epoxy)



Basket / Screen Details:

Parameter	Specification Options
Screen Material	SS304
Construction	Perforated Sheet or Perforated + Mesh
Perforation Size	Ø3 mm
Mesh	40 mesh
Open Area Ratio	30% – 40% typical
Basket Removal	Through bolted top cover

Performance Data:

Parameter	Details
Filtration Level	3 mm to 5 mm (standard), mesh optional
Pressure Rating	PN16 / Class 150
Working Pressure	Up to 16 bar
Temperature Range	-10°C to +120°C (depends on gasket)
Flow Loss	Low to moderate (depends on perforation & size)
Differential Pressure	Typically 0.1–0.3 bar when clean
Cleaning Interval	Based on dirt load; typically monthly

Testing Data:

Test	Pressure / Standard
Hydrostatic Shell Test	1.5 x Rated Pressure
Working Test	1.1 x Rated Pressure

Dimensions:

SIZE		A	H	B	ØC	ØD	ØM	N	PCD
Inch	MM								
1"	25	250	250	11	51	108	16	4	79
1.1/2"	40	310	290	14	73	127	16	4	98.5
2"	50	310	300	16	92	152	19	4	120.5
2.1/2"	65	310	300	17.5	105	178	19	4	140
3"	80	350	315	19	127	190.5	19	4	152.4
4"	100	380	350	24	157	229	19	8	190.5
5"	125	450	400	24	186	254	19	8	216
6"	150	450	425	25	216	279	22	8	241
8"	200	515	550	28.5	270	279	22	8	298.4
10"	250	600	700	30	324	406	25	12	362
12"	300	700	850	32	381	483	25	12	432
14"	350	800	900	35	412.7	533.4	28.6	12	476.2
16"	400	900	1000	36.5	469.9	596.9	28.6	16	539.7
18"	450	1000	1200	40	533.4	635	31.7	16	577.8
20"	500	1100	1300	43	584.2	698.5	31.7	20	635
24"	600	1300	1300	47.6	692.1	812.8	34.9	20	749.3

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.



Drawing:

