

FORGED CARBON STEEL Y STRAINER CLASS 800 SW

Forged carbon steel Y strainer class 800 SW for petroleum industry, steam and high pressure.
Bonnet screwed with draining cap to connect a draining valve.
Stainless steel + graphite gasket.
Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.



Certificate
3.1



Size : DN8 to DN50 (NPS 1/4" to 2")
Connection : SW
Min Temperature : -29°C
Max Temperature : +425°C
Max Pressure : 136 Bars (Class 800)
Specifications : Removable stainless steel filter
Bonnet screwed with draining cap
Stainless Steel + graphite gasket

Materials : Forged carbon steel ASTM A105N

FORGED CARBON STEEL Y STRAINER CLASS 800 SW

SPECIFICATIONS :

- With draining cap
- Removable stainless steel filter
- Respect the flow direction indicated by the arrow
- Horizontal or vertical position with descendant fluid
- Mesh 8/10° mm (800 μ)
- Class 800

USE :

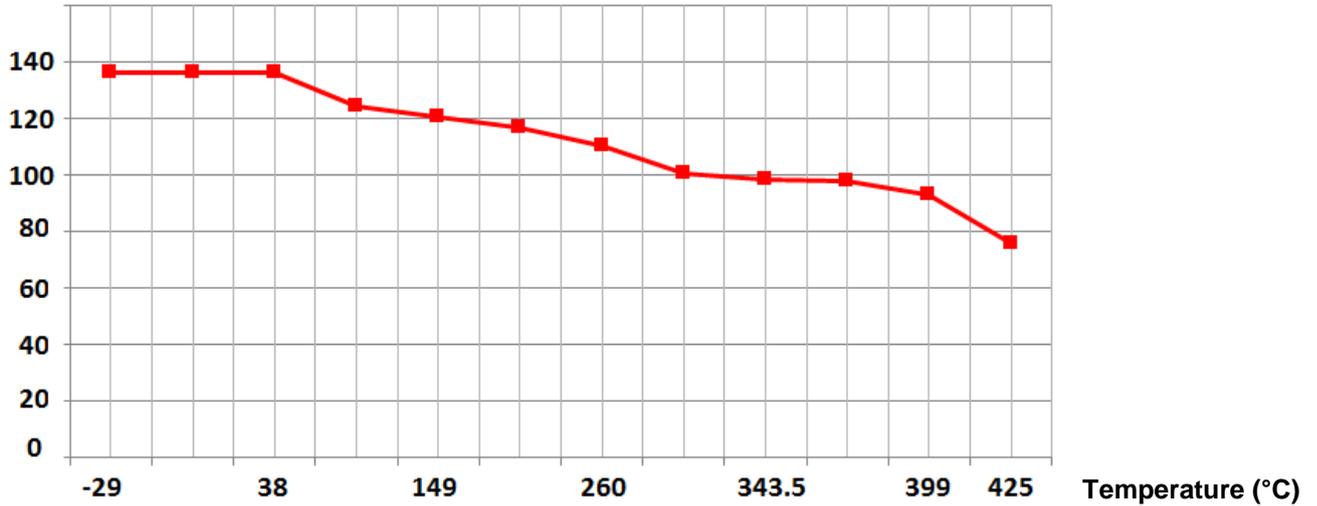
- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 29°C to + 425°C
- Max Pressure Ps : 136 bars (see graph)

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	136.2	136.2	136.2	124,1	120,7	116,6	110	100,7	98,6	97,9	92,7	75,9
Temperature (°C)	-29	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425

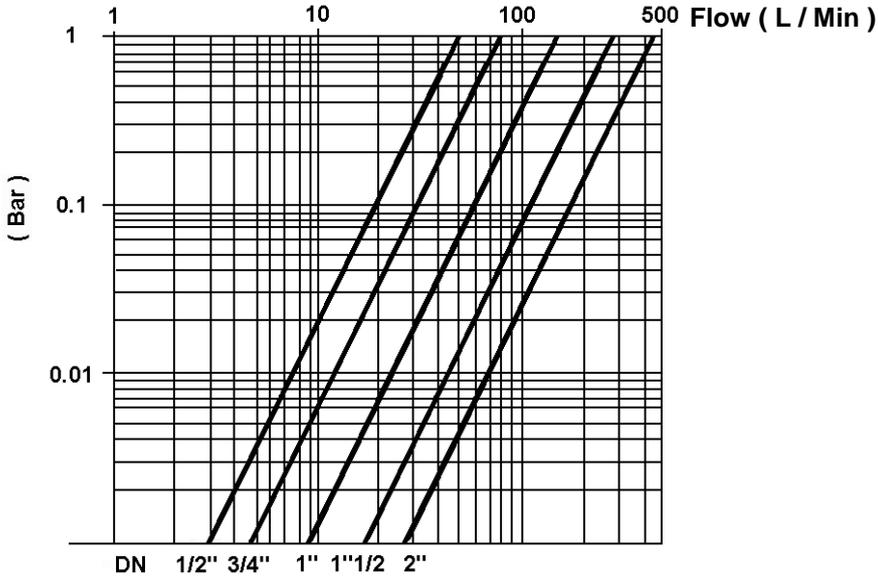
PRESSURE / TEMPERATURE GRAPH :

Pressure (Bars)



FORGED CARBON STEEL Y STRAINER CLASS 800 SW

HEAD LOSS GRAPH :



RANGE :

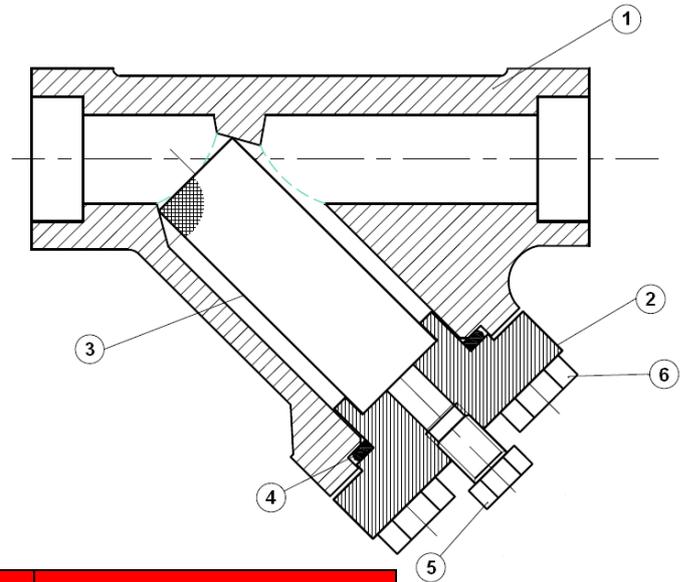
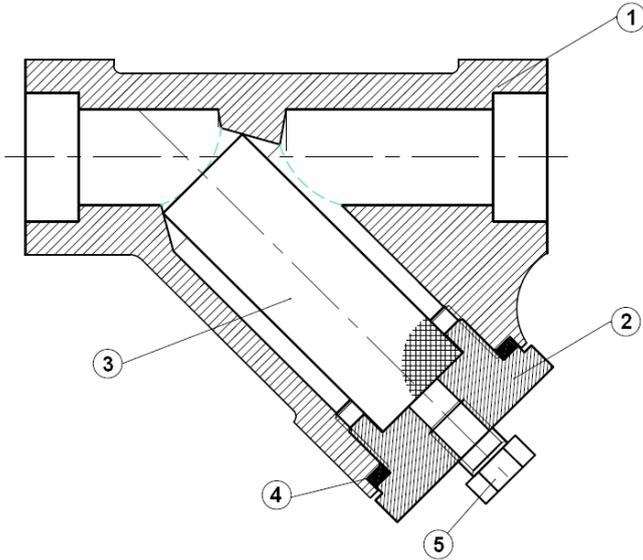
- Forged carbon steel Y strainer Socket Welding ends **Ref. 232** from DN 8 to DN 50 (NPS 1/4\" to DN 2\")

FORGED CARBON STEEL Y STRAINER CLASS 800 SW

MATERIALS:

DN 8 – 40 (NPS 1/4" - 1"1/2)

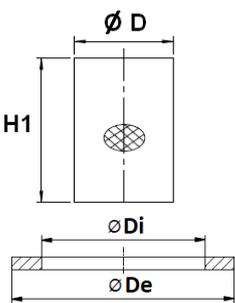
DN 50 (NPS 2")



Item	Designation	Materials
1	Body	ASTM A105 N
2	Bonnet	
3	Filter	AISI ASTM A240 316L
4	Gasket	AISI 316 + graphite
5	Cap	ASTM A105 N
6	Screw (only for DN50, NPS 2")	ASTM A193 B7



REPAIRABILITY :

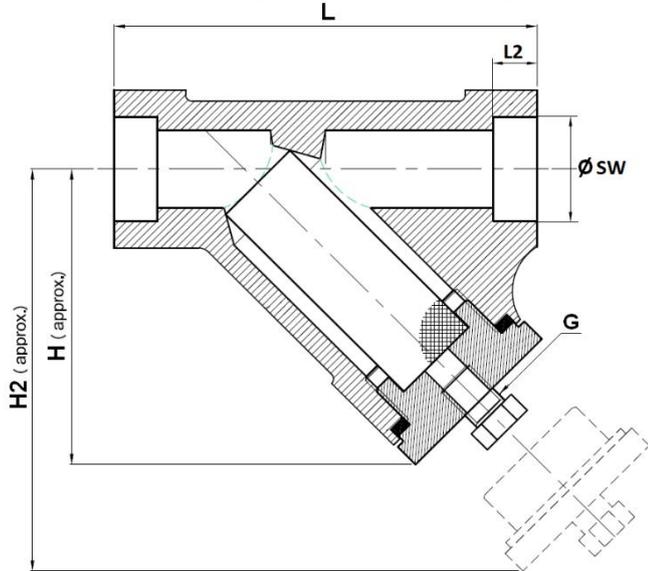


Item	Designation	DN (mm)	8	10	15	20	25	32	40	50
		NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
3	Screen 8/10°	$\varnothing D$	18		22	28	41,5		49,5	
		H1	41		60	75	100,5		100,5	
		Ref.	9801122		9801125	9801126	9801127		9801129	
4	Gasket Ep.3,5	$\varnothing Di \times \varnothing De$	28.5x36		32.5x40	40.5x50	57x70		52.5x63	
		Ref.	9801113		9801116	9801117	9801118		9801120	

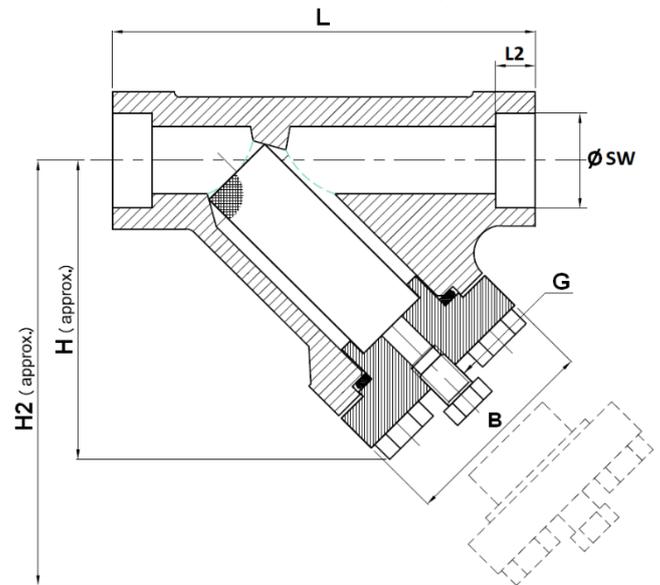
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SIZE (in mm) :

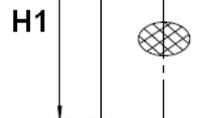
DN 8 – 40 (NPS 1/4" - 1"1/2)



DN 50 (NPS 2")



Filter size :



DN (mm)	8	10	15	20	25	32	40	50	
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	
L	90	90	90	110	130	160	160	160	
H	60	60	60	75	93	120	120	145	
H2	105	105	105	140	155	195	195	205	
G (NPT)	1/4"							1/2"	
B								90x90	
Ø D	18	18	18	22	28	41,5	41,5	49,5	
H1	41	41	41	60	75	100,5	100,5	100,5	
L2	10	10	10	14	14	14	14	16	
Ø SW	14.2	17.6	21.72	27.05	33.78	42.54	48.64	61.11	
Weight (Kg)	0.85	0.78	0.73	1.22	1.88	4.75	4.45	6.5	
Ref.	232008	232010	232015	232020	232025	232032	232040	232050	

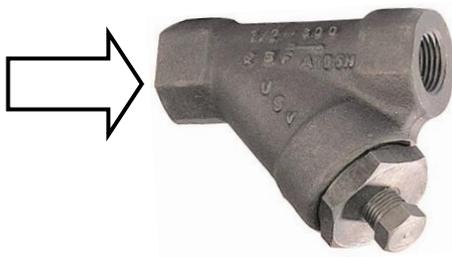
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STANDARDS :

- Manufacturer certified ISO 9001 :2015
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN8-25: Article 4, §3 (SEP), no CE marking
 - DN32-50: Risk category II, CE 0425 or CE1115 marking
- Certificate 3.1 on request
- Designing according to ASME B16.34
- Pressure Tests according to API 598, table 6
- Socket Welding ends according to ISO 15761
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU

INSTALLATION POSITIONS :

Horizontal position



Vertical position (descendand fluid)



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