

FORGED CARBON STEEL Y STRAINER CLASS 800 BSP

Forged carbon steel Y strainer class 800 threaded female BSP 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



PASCAL
2014/68/UE



Size : DN8 to DN50 (NPS 1/4" to 2")
Connection : BSP
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 BSP

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 :

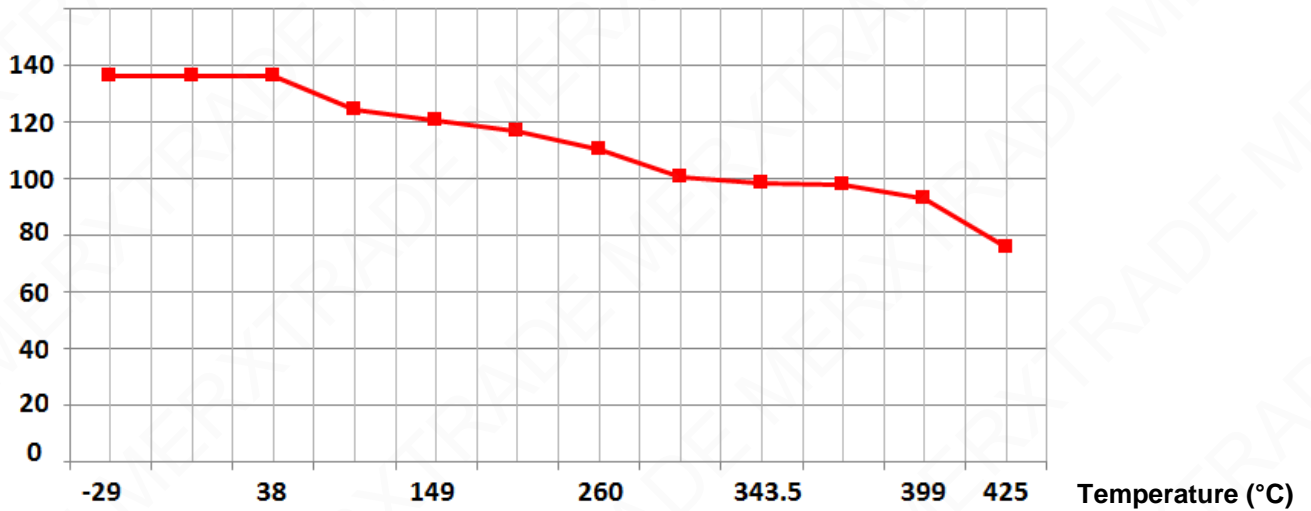
- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 29°C to + 425°C
- Max Pressure Ps : 136 bars (see graph)

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

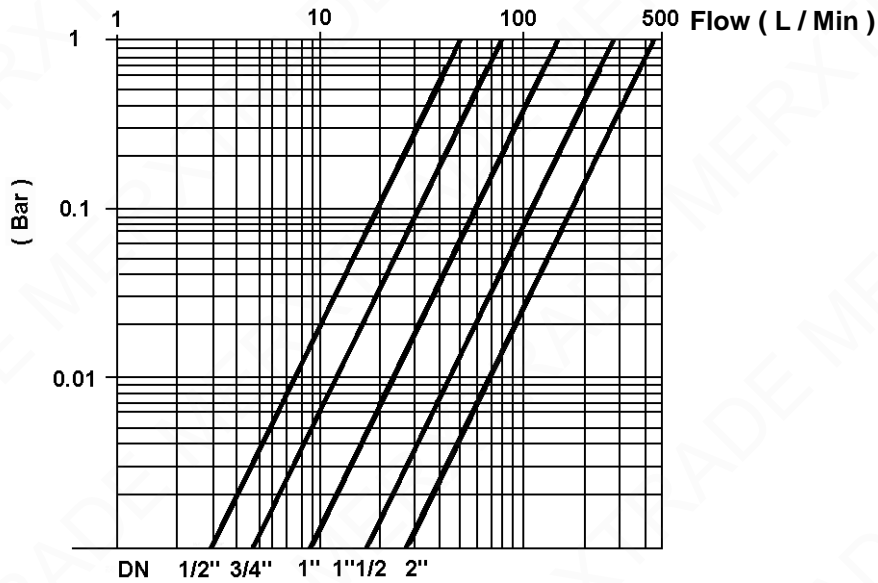
PRESSURE / TEMPERATURE GRAPH :

Pressure (Bars)



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HEAD LOSS GRAPH :



RANGE :

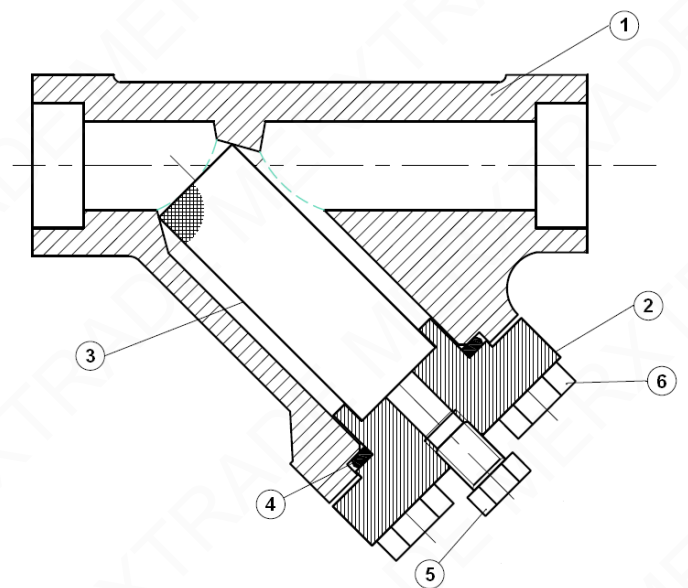
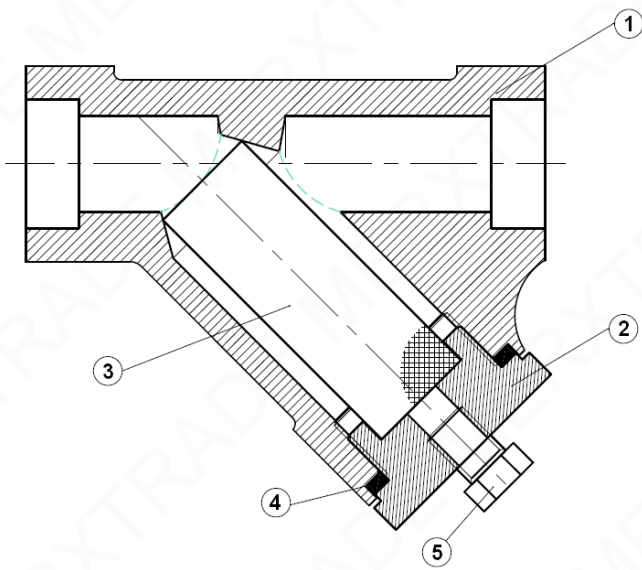
- Forged carbon steel Y strainer threaded female BSP Ref. 231 from DN 8 to DN 50 (NPS 1/4" to DN 2")

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MATERIALS:

DN 8 – 40 (NPS 1/4" - 1 1/2")

DN 50 (NPS 2")

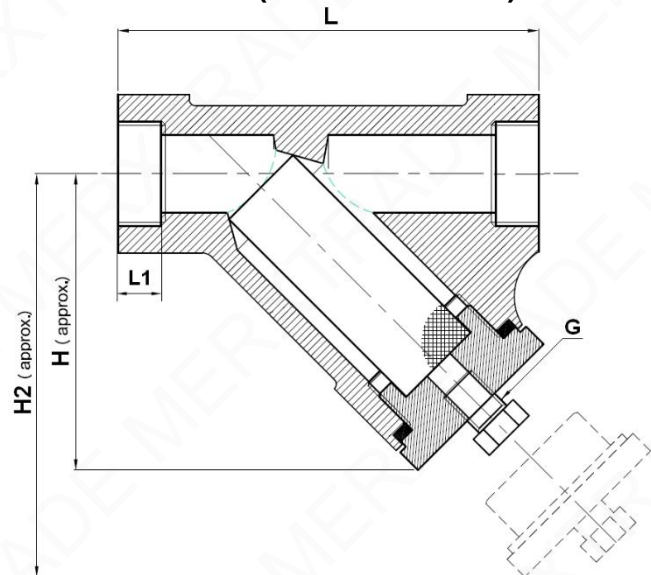


Item	Designation	Materials
1	Body	ASTM A105 N
2	Bonnet	ASTM A105 N
3	Filter	AISI ASTM A240 316L
4	Gasket	AISI 316 + graphite
5	Cap	ASTM A105 N
6	Screw (only for DN50, NPS 2")	ASTM A193 B7

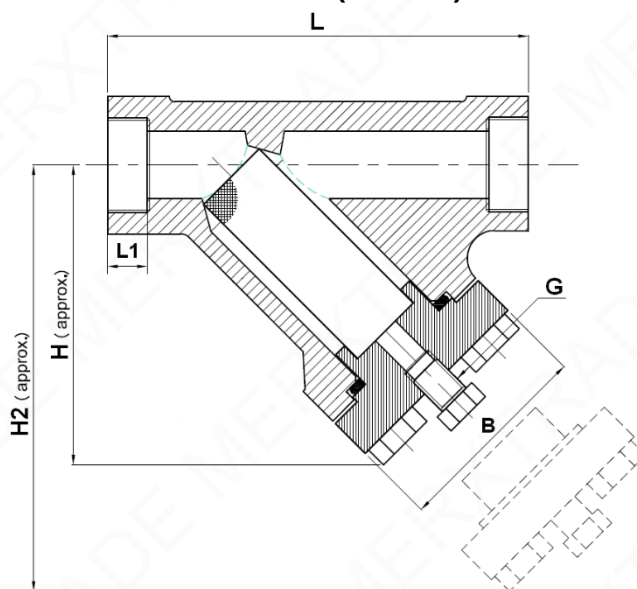
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SIZE (in mm) :

DN 8 – 40 (NPS 1/4" - 1"1/2)

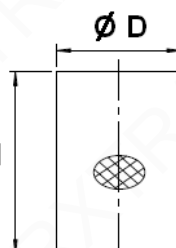


DN 50 (NPS 2")



Filter size :

H1



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"	1/4"	1/4"	1/4"	1/4"	1/4"	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
L1	10	13	14	16	20	22	22	26
Weight (Kg)	0.85	0.78	0.73	1.22	1.88	4.75	4.45	6.5
Ref.	231002	231003	231004	231005	231006	231007	231008	231009

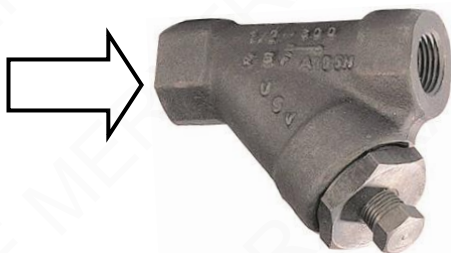
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STANDARDS :

- Manufacturer certified ISO 9001 :2015
- DIRECTIVE 2014/68/EU : CE N° 1115
Risk category III Module H
- Certificate 3.1 on request
- Designing according to ASME B16.34
- Pressure Tests according to API 598, table 6
- Threaded BSP cylindrical female ends according to ISO 7/1 Rp
- 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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