

FORGED STAINLESS STEEL Y STRAINER CLASS 800 NPT

Forged stainless steel Y strainer class 800 threaded female NPT 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 DN25 (NPS 1/4" to 1")

Connection : NPT

Min Temperature : -49°C

Max Temperature : +538°C

Max Pressure : 132 Bars (Class 800)

Specifications : Removable stainless steel filter
Bonnet screwed with draining cap
Stainless Steel + graphite gasket

Materials : Forged stainless steel ASTM A182 F316

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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 :

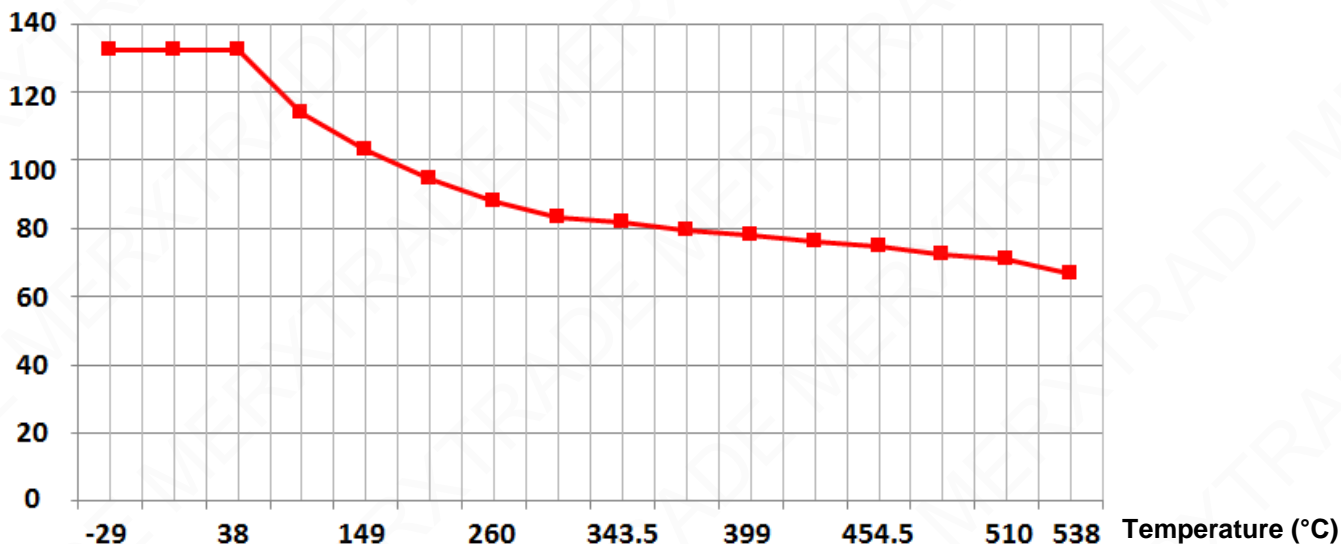
- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 49°C to + 538°C
- Max Pressure Ps : 132 bars (see graph)

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	132.4	132.4	132.4	114.1	103.1	94.5	87.9	83.1	81.7	79.3	77.9	76.2	74.5	72.4	71	66.9
Temperature (°C)	-49	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425	454.5	482	510	538

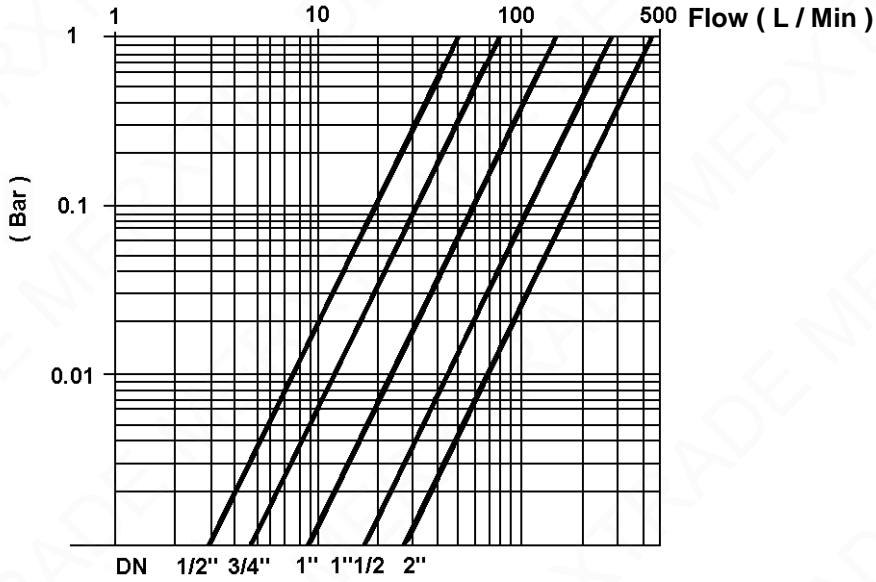
PRESSURE / TEMPERATURE GRAPH ACCORDING TO ASME B16.34 :

Pressure (Bars)



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HEAD LOSS GRAPH :

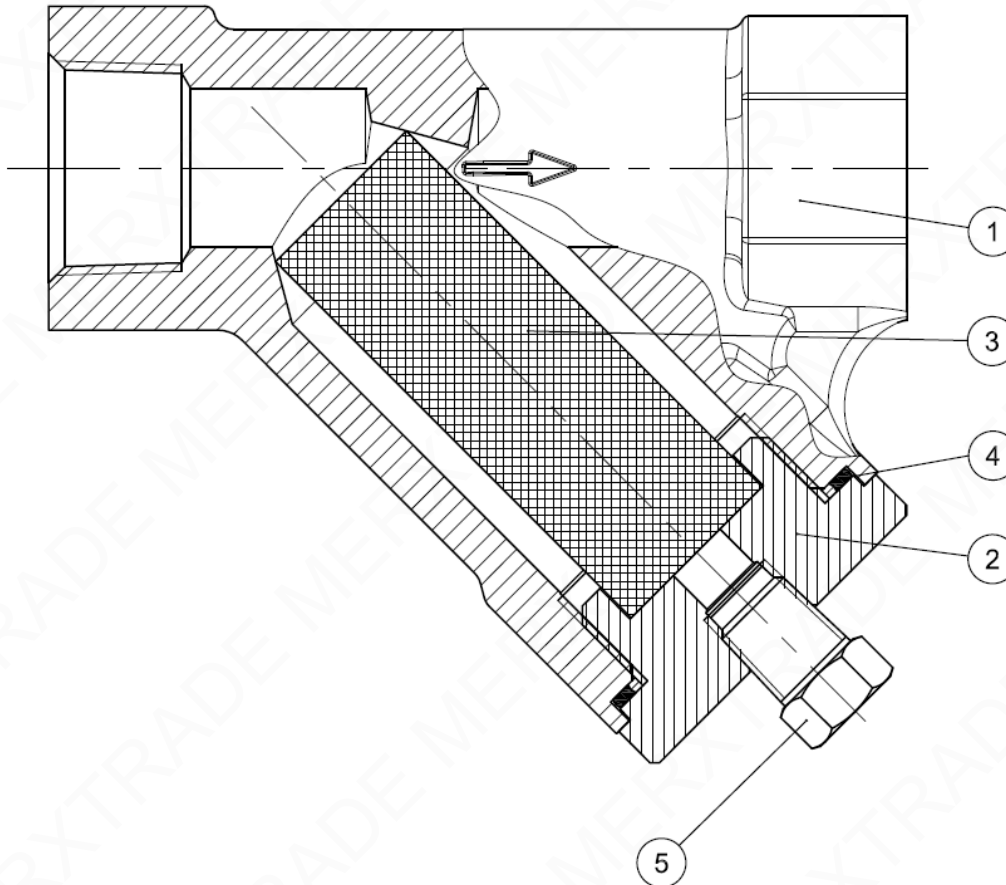


RANGE :

- Forged stainless steel Y strainer threaded female NPT **Ref. 239** from DN 8 to DN 25 (NPS 1/4" to DN 1")

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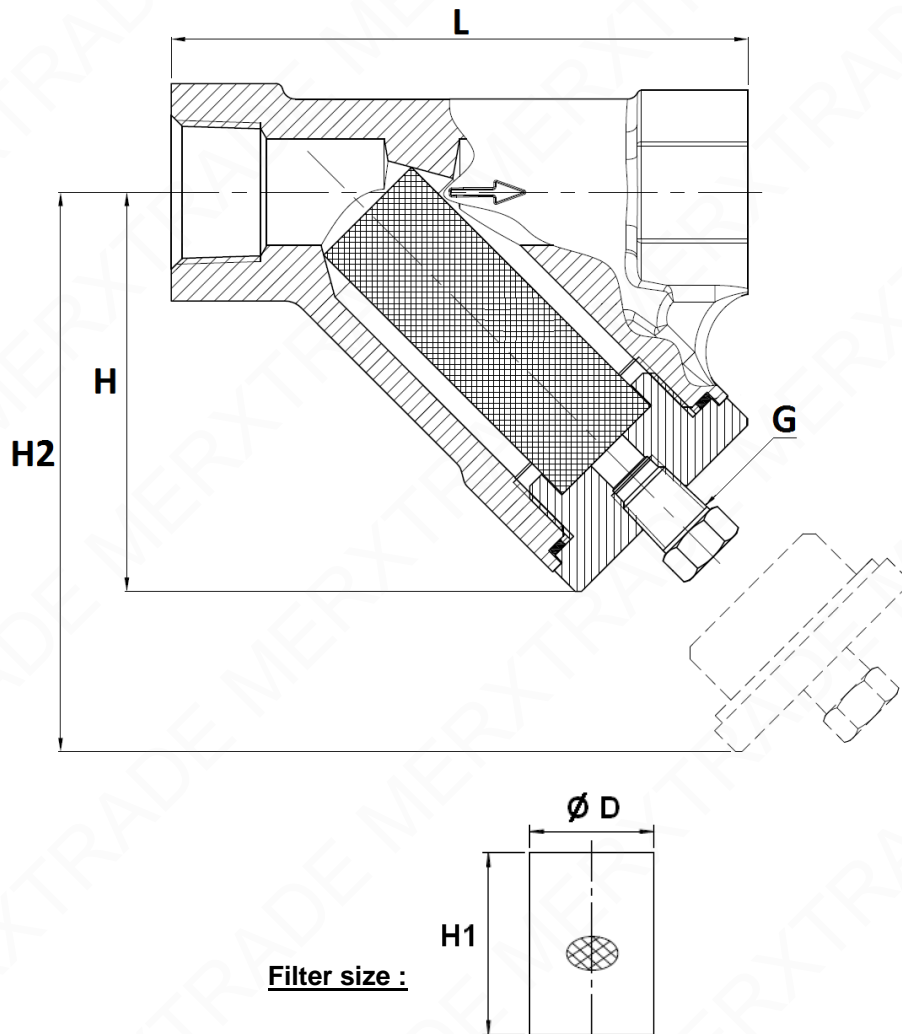
MATERIALS:



Item	Designation	Materials
1	Body	ASTM A182 F316
2	Bonnet	
3	Filter	AISI 316
4	Gasket	AISI 316 + graphite
5	Cap	ASTM A182 F316

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SIZE (in mm) :



DN (mm)	8	10	15	20	25
NPS (")	1/4"	3/8"	1/2"	3/4"	1"
L	90	90	90	110	130
H	60	60	60	75	93
H2	105	105	105	140	155
G (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"
Ø D	18	18	18	22	28
H1	41	41	41	60	75
Weight (Kg)	0.83	0.81	0.77	1.29	2.08
Ref.	239002	239003	239004	239005	239006

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STANDARDS :

- Manufacturer certified ISO 9001 :2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4. § 3)
- Certificate 3.1 on request
- Designing according to ASME B16.34
- Pressure Tests according to API 598, table 6
- Threaded NPT female ends according to ASME B1.20.1
- 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)



ADVICE : Our opinion and our advice are not guaranteed and MERXTRADE shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.