

**FORGED STAINLESS STEEL Y STRAINER CLASS 800**



**Certificate 3.1**

**Size :** DN 8 to 25 (NPS 1/4" to 1")  
**Ends :** Female - Female NPT  
**Min Temperature :** - 29°C  
**Max Temperature :** + 538°C  
**Max Pressure :** 138 Bars (Class 800)  
**Specifications :** With draining cap  
Removable stainless steel filter

**Materials :** Forged stainless steel ASTM A182 F316

**FORGED STAINLESS STEEL Y STRAINER CLASS 800**

**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 :**

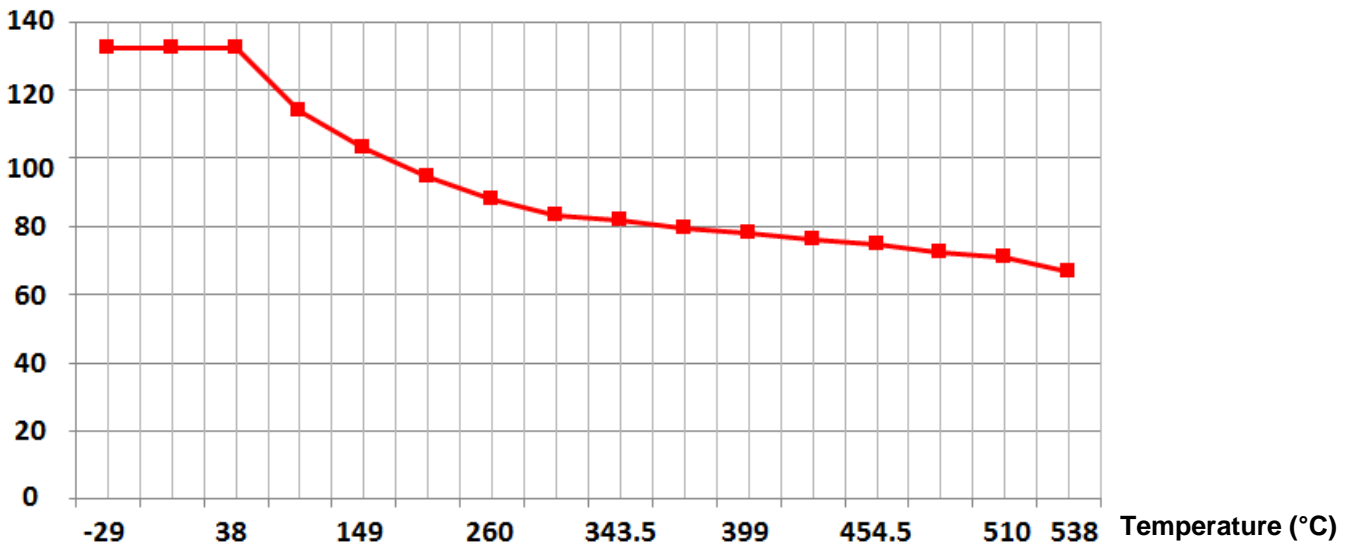
Petroleum industry, steam, high pressure  
Min and max Temperature Ts : - 29°C to + 538°C  
Max Pressure Ps : 138 bars ( see graph )

**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)	-29	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425	454.5	482	510	538

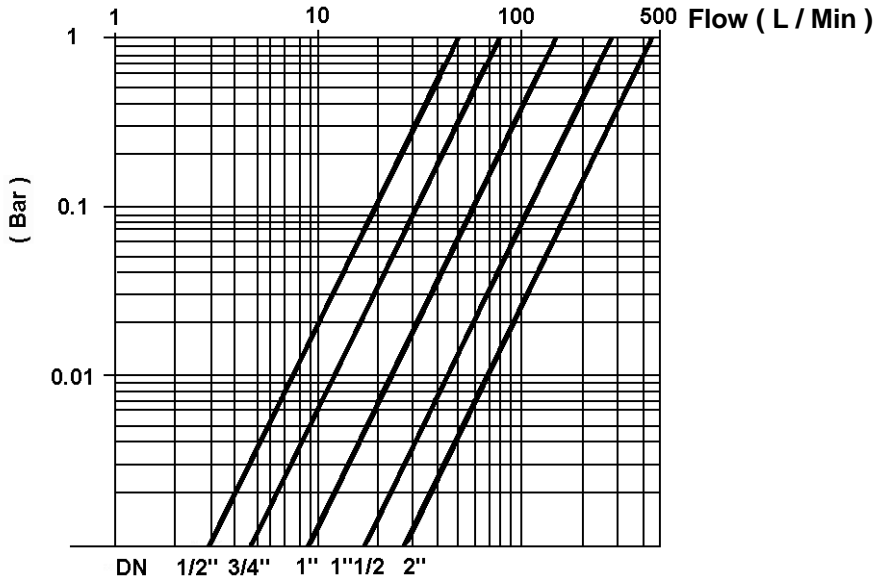
**PRESSURE / TEMPERATURE GRAPH ACCORDING TO ASME B16.34 :**

Pressure (Bars)



**FORGED STAINLESS STEEL Y STRAINER CLASS 800**

**HEAD LOSS GRAPH :**

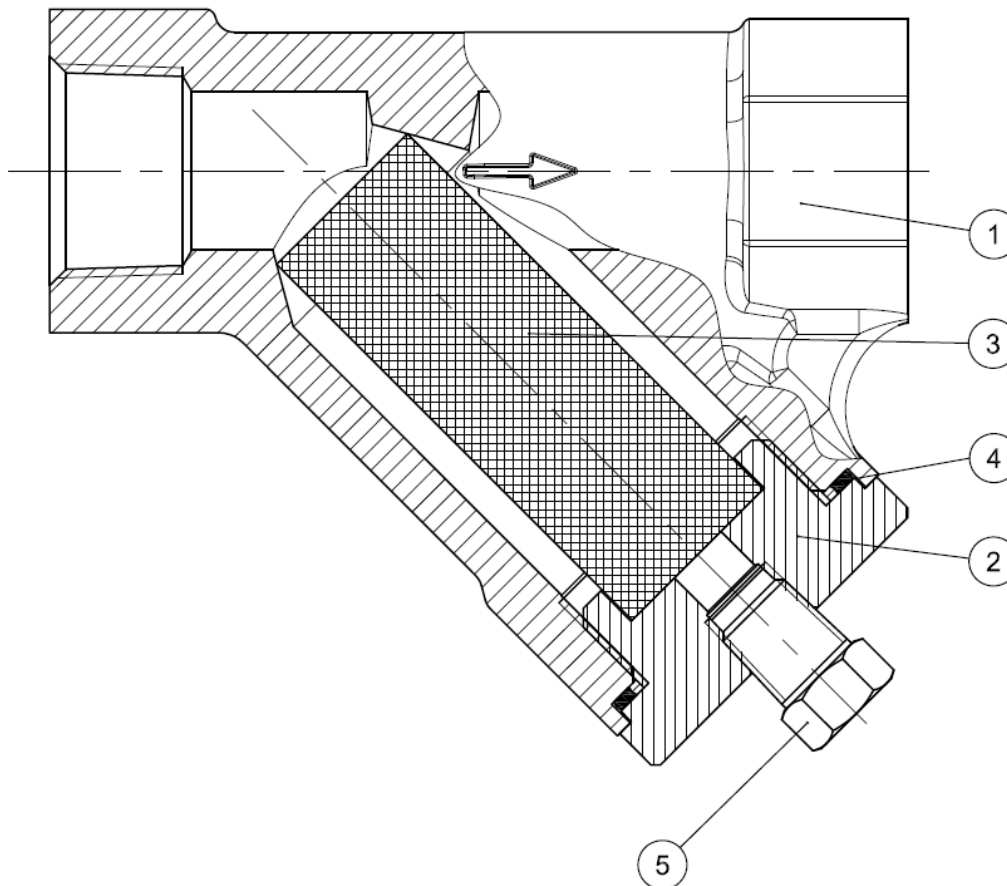


**RANGE :**

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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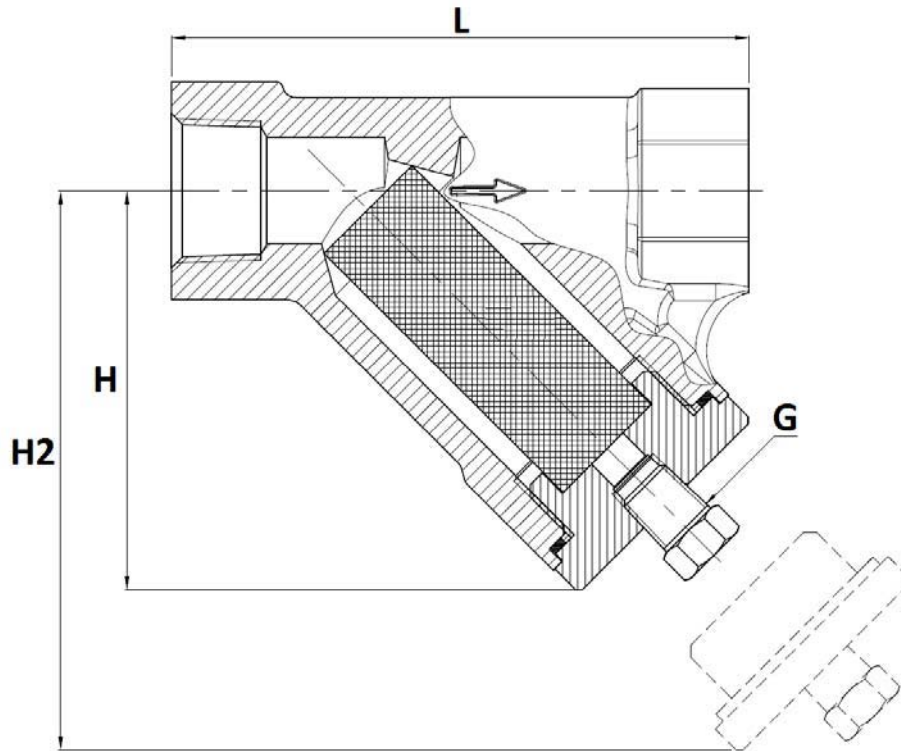
**MATERIALS:**



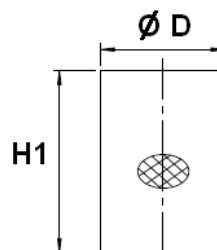
Item	Designation	Materials
1	Body	ASTM A182 F316
2	Bonnet	
3	Filter	AISI 316
4	Gasket	AISI 316 + graphite
5	Cap	ASTM A182 F316

**FORGED STAINLESS STEEL Y STRAINER CLASS 800**

SIZE ( in mm ) :



Filter size :



Ref.	DN (mm)	8	10	15	20	25
	NPS (")	1/4"	3/8"	1/2"	3/4"	1"
239	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"
	Weight (Kg)	0.83	0.81	0.77	1.29	2.08

**FORGED STAINLESS STEEL Y STRAINER CLASS 800**

**STANDARDS :**

Fabrication according to ISO 9001 :2008

DIRECTIVE 2014/68/EU : CE N° 1115  
Risk category III Module H

Certificate 3.1 on request

Designing according to ASME B16.34

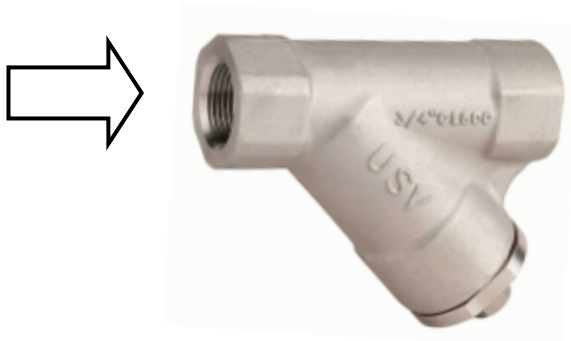
Pressure Tests according to API 598, table 6

Threaded NPT female ends according to ASME B2.1

ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 ( optional marking )

**INSTALLATION POSITIONS :**

Horizontal position



Vertical position ( descendand fluid )



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

**FORGED STAINLESS STEEL Y STRAINER CLASS 800****INSTALLATION INSTRUCTIONS****GENERAL GUIDELINES :**

Ensure that the strainers to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).

Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.

Ensure that the strainers to be installed are of correct strength to be able to support the capacity of their usage.

**Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

**INSTALLATION INSTRUCTIONS :**

**Before installing the strainers, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the strainers.

**Ensure that both connecting pipes either side of the strainer (upstream and downstream) are aligned (if they're not, the strainer may not work correctly).**

**Make sure that the two sections of the pipe (upstream and downstream) match, the strainer unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the strainer and can even cause a rupture.** To be sure, place the kit in position to ensure the assembling will work.

The theoretical lengths given by ISO/R7 for the tapping are typically longer than required, the length of the thread should be limited, and **check that the end of the tube does not press right up to the head of the thread.**

**Never use a vice to tighten the fixings of the strainer.**

**If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the strainer.**

**Fluids in the strainer must not contain solid objects ( it could damaged the seat ).**