sferaco
VALVES & FITTINGS

REF. 240

FLANGED STAINLESS STEEL STRAINER PN16

ISO 9001:2008
BUREAU VERITAS
Certification

TÜV CERT
PED 97/23/CE

Size:	DN 15 to DN 200
Ends :	ISO PN16 Flanges R.F.
Min Temperature :	- 20°C
Max Temperature :	+ 200°C
Max Pressure :	16 Bars
Specifiations :	Removable stainless steel filter Bolted bonnet with draining cap
Materials :	Stainless steel

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.fr E-mail : sferaco@sferaco.fr

FLANGED STAINLESS STEEL STRAINER PN16

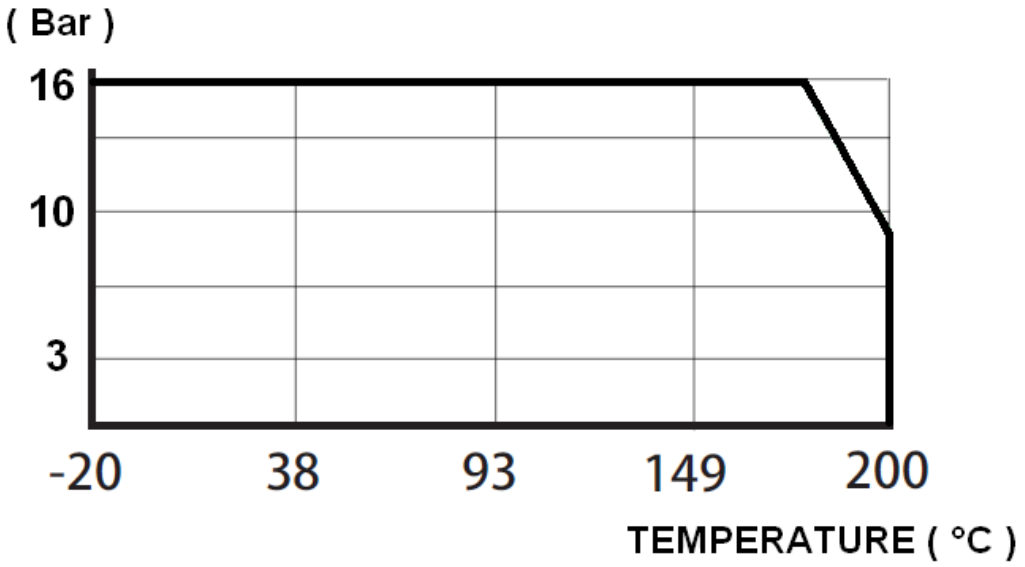
SPECIFICATIONS :

- Removable stainless steel filter
- ISO PN16 Flanges R.F.
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh 8/10° mm (800 µ) up to DN 50 , 10/10° mm from DN 65 to 80 and 30/10° over
- Bolted bonnet with draining cap threaded BSP

USE :

- For common fluids of 2nd group
- Min Temperature Ts : - 20°C
- Max Temperature Ts :+ 200°C
- Max Pressure PN : 16 bars (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



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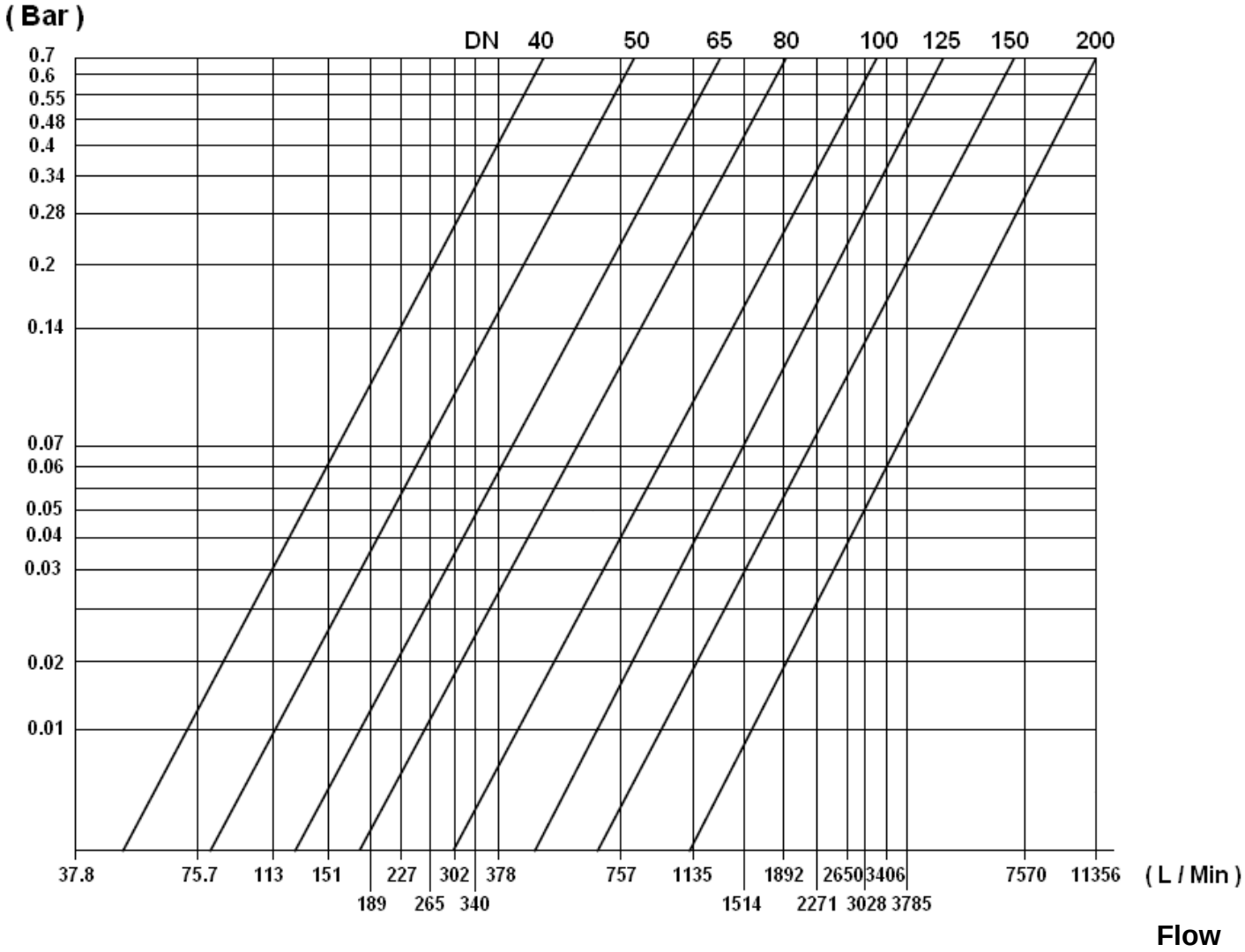
HEAD LOSS GRAPH :



RANGE :

- ISO PN16 Flanges R.F. from DN 15 to DN 200 **Ref.240**

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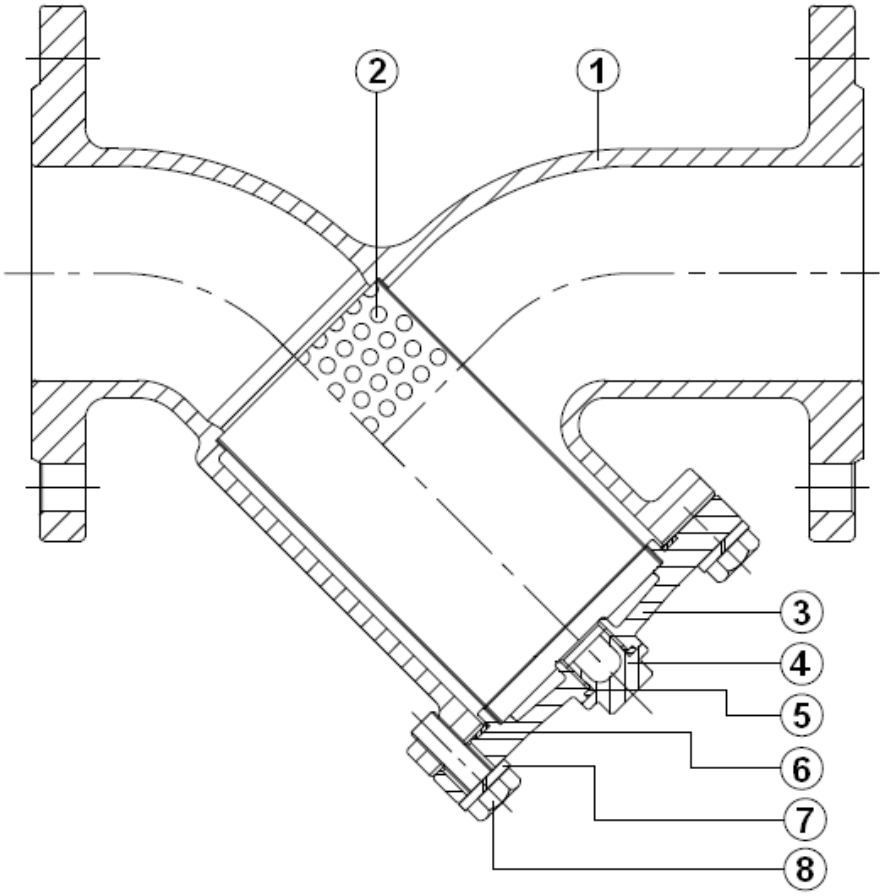
MATERIALS :



Item	Designation	Materials
1	Body	ASTM A351 CF8M
2	Filter	SS 304
3	Bonnet	ASTM A351 CF8M
4	Draining cap	ASTM A351 CF8M
5	Gasket	PTFE
6	Bonnet gasket	PTFE
7	Washer	SS 304
8	Screw	SS 304

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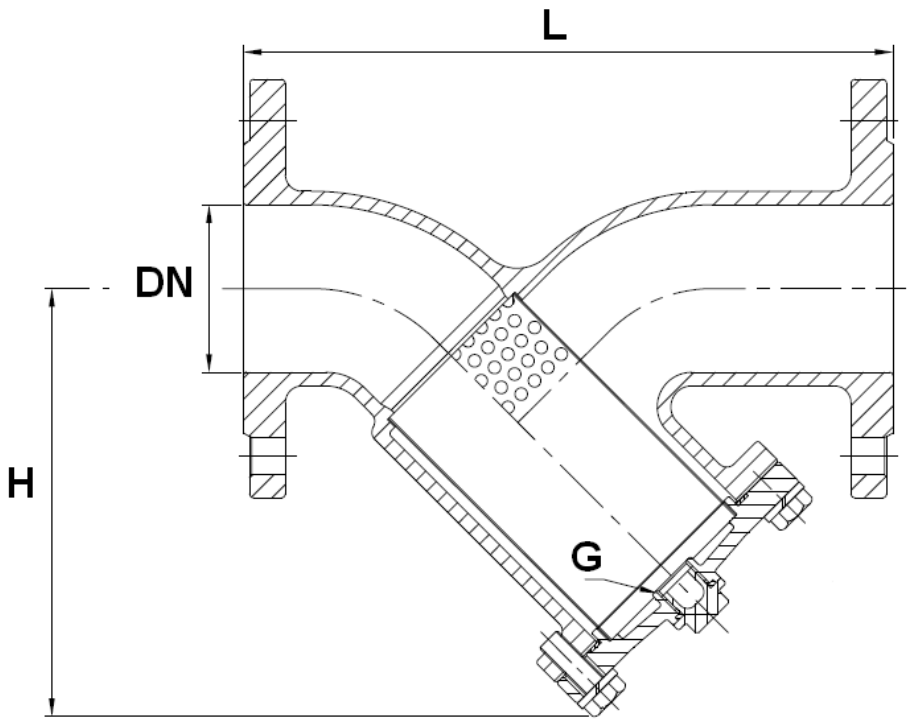
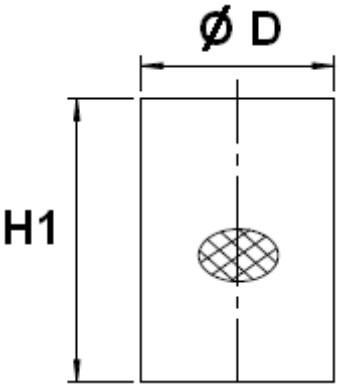
SIZE (in mm) :



Filter size :



Ref.	DN	15	20	25	32	40	50	65	80	100	125	150	200
240	L	130	150	160	180	200	230	290	310	350	400	480	600
	H	85	85	112	114	132	150	185	200	232	274	328	410
	G (drain)	1/2“	1/2“	1/2“	1/2“	1/2“	1/2“	1/2“	1/2“	3/4“	3/4“	3/4“	3/4“
	Ø D	19	24	27	40	43	54	65	85	103	128	154	208
	H1	57	55	87	82	99.5	102	135	150	160	221	250	300
	Mesh	0.8	0.8	0.8	0.8	0.8	0.8	1	1	3	3	3	3
	Weight (Kg)	2	2.7	3.5	5	6.1	8.1	12.3	15.5	22	30	45.1	77.1

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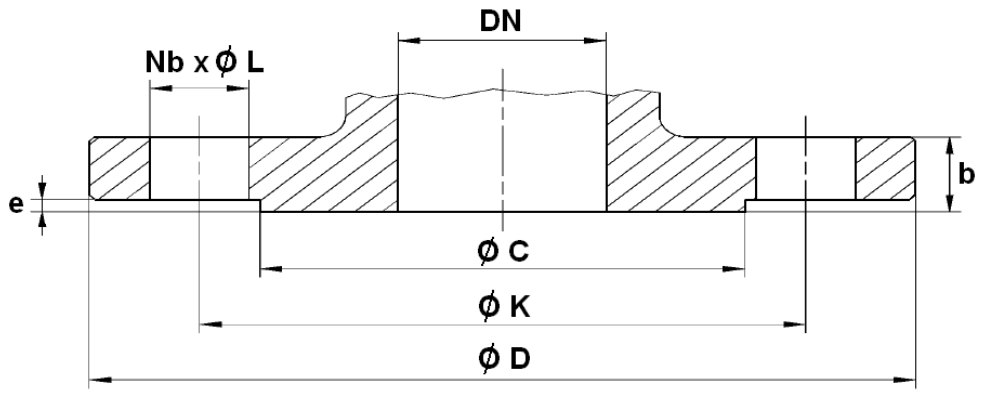
ISO PN16 FLANGES SIZE (in mm) :



DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø C	45	58	68	78	88	102	122	138	158	188	212	268
Ø D	95	105	115	140	150	165	185	200	220	250	285	340
Ø K	65	75	85	100	110	125	145	160	180	210	240	295
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 18	8 x 22	12 x 22
b	14	16	16	16	16	18	18	20	20	22	22	24
e	2	2	2	2	3	3	3	3	3	3	3	3

FLANGED STAINLESS STEEL STRAINER PN16

STANDARDS :

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : CE N° 0035 Module H
  Risk category I from DN32 to DN50
  Risk category II fromDN65 to DN200
  Fluids of 2nd group
- Construction according to EN 12516-1
- Tests according to EN 12266
- Length according to DIN 3202 F1 – NF 29354
- ISO PN16 Flanges R.F. according to EN 1092-1
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 &22 (optional marking)

INSTALLATION POSITIONS :

Vertical position (descendand fluid)

Horizontal position

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.

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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 strenght 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 thightness 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.

- Make sure flanges are cleaned.

- **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.**

- Tighten the bolts in cross.

- The pressurisation must be increased gradually.

- So that the maintenance operations could be easily done, place a stop valve before and after the strainer.Thereby, the strainer could be isolated. During this operation, ensure to have a new bonnet gasket to avoid a leakage during the restarting.

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