

D71

D71 118.244 PN50 DN50-DN400

Carbon steel Y strainer flanged

CARBON STEEL Y STRAINER FLANGED CLASS 300 PN50

Carbon steel Y strainer flanged Class 300 PN50 for water distribution, gas oil, steam, petrochemical, petroleum industry and gas.

Removable stainless steel filter and bolted bonnet.

Draining cap threaded NPT.

NACE
MR01-75

Certificate
3.1



PED 2014/68/UE



Size : DN50 to DN400 (NPS 2" to 16")

Connection : Flanges RF Class 300 PN50

Min Temperature : -29°C

Max Temperature : +425°C

Max Pressure : 50 Bars

Specifications : Removable stainless steel filter

Bolted bonnet with draining cap threaded NPT

Materials : Carbon steel ASTM A216 WCB

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SPECIFICATIONS :

- Removable stainless steel filter
- Flanges R.F. Class 300 (PN50)
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh 1 mm for DN50 (2"), 1.5 mm from DN65 to 400 (2"1/2 to 16")
- Bolted bonnet with draining cap threaded NPT
- Grey acrylic painting RAL 7001 color, 60 µm thickness

USE :

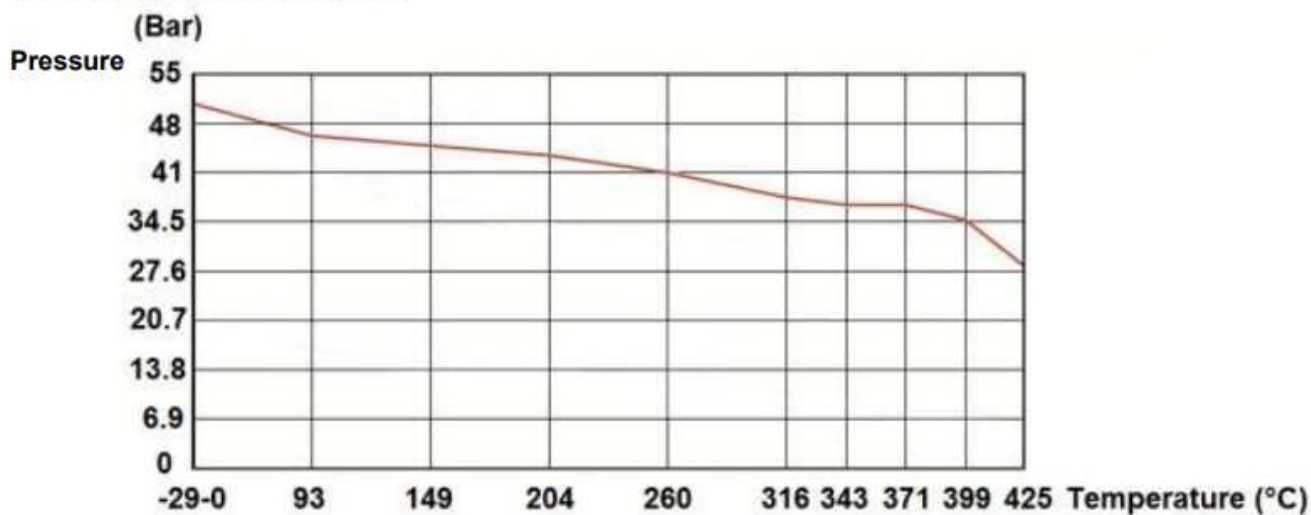
- Water distribution, gas oil, steam, petrochemical, petroleum industry, gas
- Min Temperature Ts : - 29°C
- Max Temperature Ts : + 425°C
- Max Pressure Ps : 50 bars

PRESSURE / TEMPERATURE RELATION :

(According to AMSE B16-34 for A216 WCB)

Pressure (Bar)	51.1	51.1	46.2	45.1	43.8	41.3	37.9	36.9	36.9	34.8	28.2
Temperature (°C)	-29	38	93	149	204	260	316	343	371	399	425

PRESSURE / TEMPERATURE GRAPH :



FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	50	65	80	100	150	200	250	300	350	400
NPS (")	2"	2"1/2	3"	4"	6"	8"	10"	12"	14"	16"
Kvs (m3/h)	32.4	54.8	83.1	129.7	291.2	518.8	810.7	1167.4	1447.1	1923

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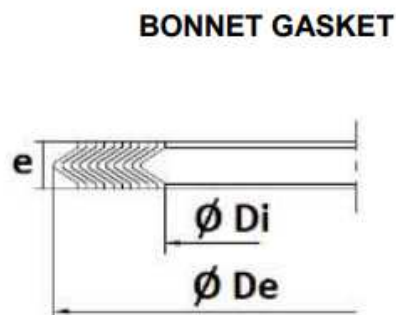
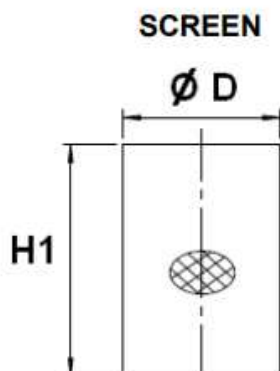
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RANGE :

- Carbon steel strainer flanged R.F. Class 300 (PN50) **Ref. 244** from DN 50 to DN 400 (NPS from 2" to 16")

REPAIRABILITY :



	DN (mm)	50	65	80	100	150	200
	NPS (")	2"	2 1/2"	3"	4"	6"	8"
Screen	Ø D x H1	55x110	60x120	80x135	105x175	150x210	190x275
	Mesh	1	1.5				
	Ref.	9802490	9802491	9802492	9802493	9802494	9802495
Bonnet gasket	Ø Di x Ø De x e	55x70x3	65x80x3	80x95x3	105x120x3	150x165x3	190x210x3
	Ref.	9802370	9802371	9802372	9802373	9802374	9802375

	DN	250	300	350	400
	NPS (")	10"	12"	14"	16"
Screen	Ø D x H1	235x355	280x365	340x435	390x465
	Mesh	1.5			
	Ref.	9802496	9802497	9802498	9802499
Bonnet gasket	Ø Di x Ø De x e	235x260x3	280x305x3	340x370x3	390x420x3
	Ref.	9802376	9802377	9802378	9802379

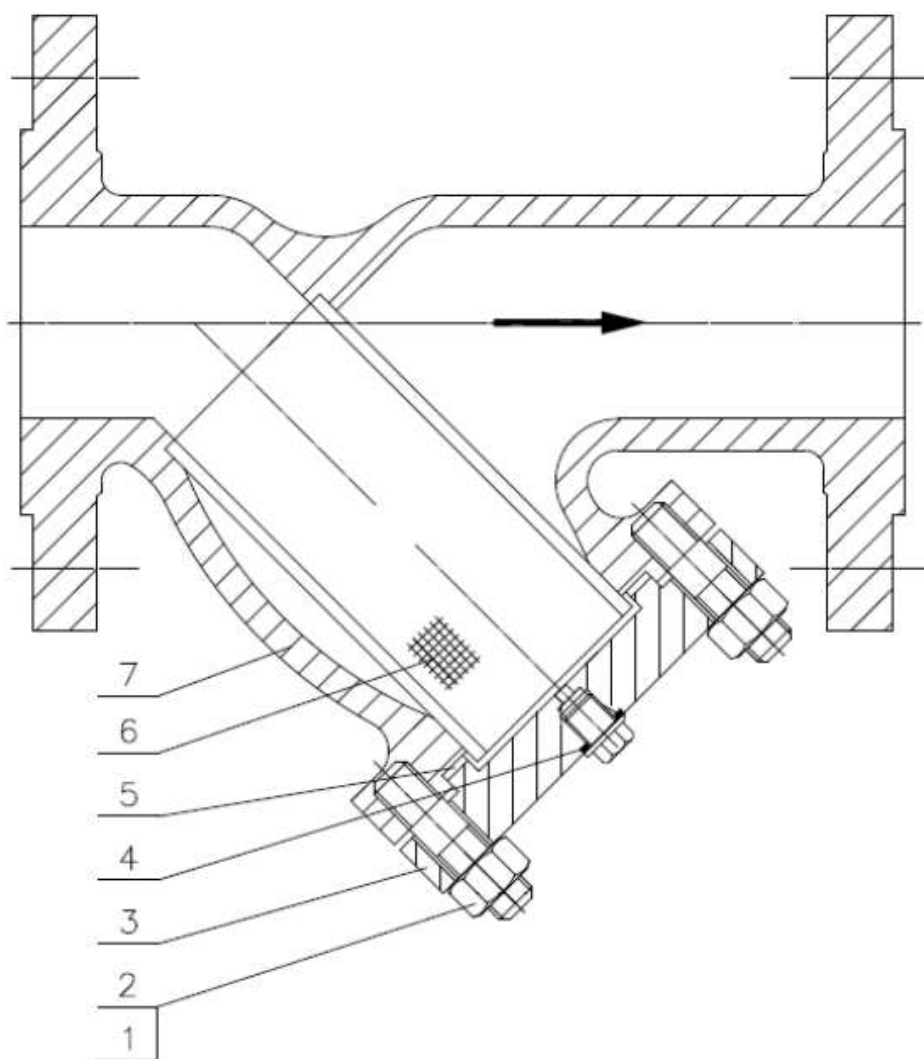
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MATERIALS :



Item	Designation	Materials
1	Stud bolt	ASTM A193 Gr.B7M
2	Nut	ASTM A194 Gr.2HM
3	Bonnet	ASTM A105
4	Draining cap	Steel with copper gasket
5	Bonnet gasket	Graphite + AISI 304
6	Screen	AISI 304
7	Body	ASTM A216 WCB

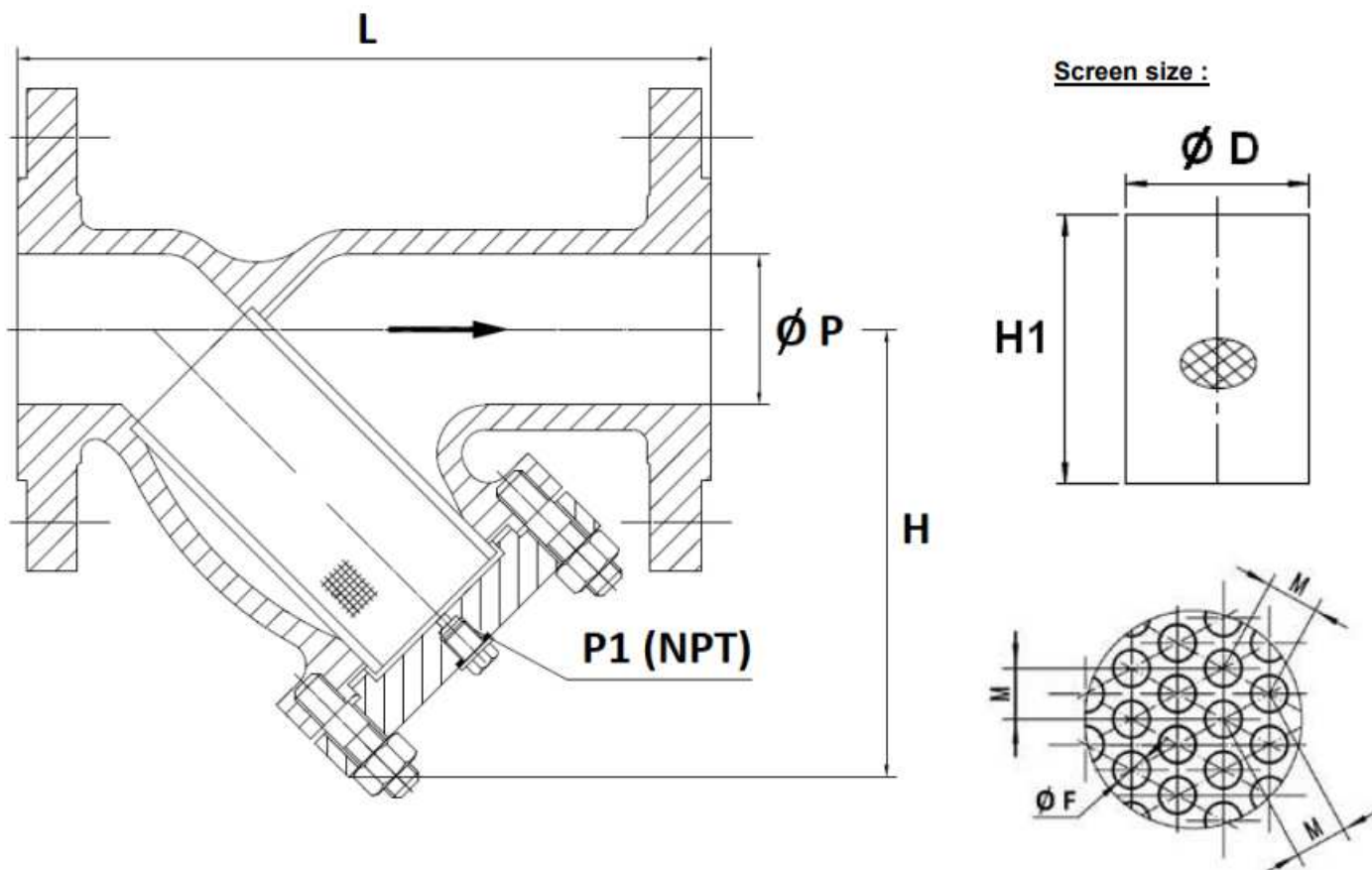
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SIZE (in mm) :



DN (mm)	50	65	80	100	150	200	250	300	350	400
NPS (")	2"	2"1/2	3"	4"	6"	8"	10"	12"	14"	16"
Ø P	51	64	76	102	152	203	254	305	350	400
L	267	292	318	356	444	559	622	711	838	864
H	140	155	185	225	290	396	485	610	650	740
P1 (drain NPT)	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"1/2	1"1/2
Ø D	55	65	80	105	150	190	235	280	340	390
H1	110	120	135	175	210	275	355	365	435	465
Mesh (ØF)	1	1.5								
M	3	3.5								
Weight (Kg)	11	15	20	34	60	101	154	218	490	620
Ref.	244050	244065	244080	244100	244150	244200	244250	244300	244350	244400

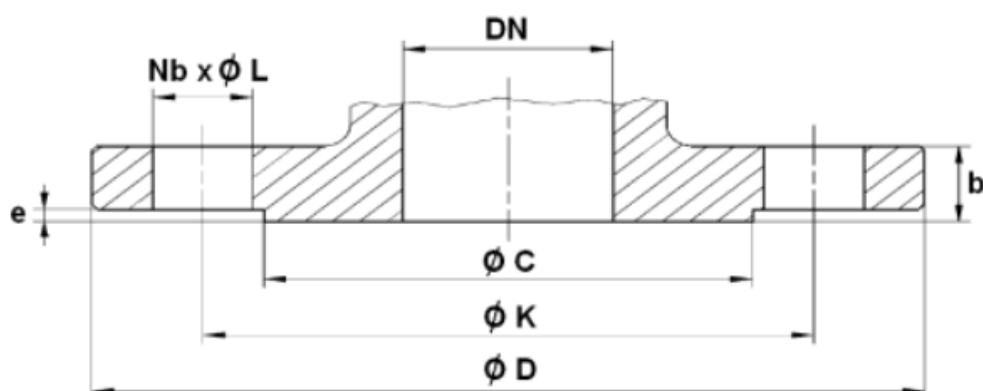
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FLANGES SIZE (in mm) :



DN (mm)	50	65	80	100	150	200	250	300	350	400
NPS (")	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
Ø C	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9
Ø D	165	190	210	255	320	380	445	520	585	650
Ø K	127	149.2	168.3	200	269.9	330.2	387.4	450.8	514.4	571.5
Nb x Ø L	8 x 19	8 x 22	8 x 22	8 x 22	12 x 22	12 x 26	16 x 29	16 x 32	20 x 32	20 x 35
b	22.7	25.9	29	32.2	37	41.7	48.1	51.3	54.4	57.6
e	2	2	2	2	2	2	2	2	2	2

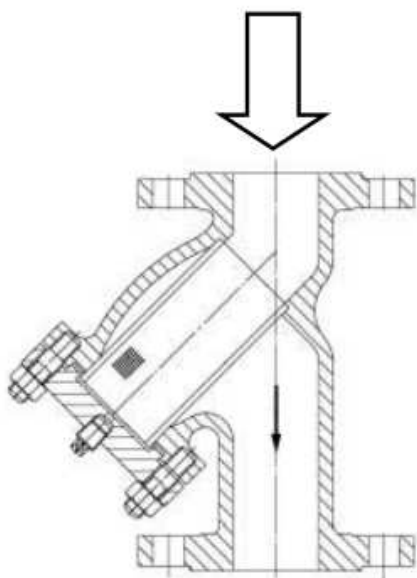
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STANDARDS :

- Manufacturer certified ISO 9001: 2015 and ISO 14001: 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN50-100 : Risk Category II, marking CE 0036
 - DN125-400 : Risk Category III, marking CE 0036
- Certificate 3.1 on request
- Designing according to ASME B16.34
- Pressure tests according to API 598, table 6
- Length according to ASME B16.10 table 2 series 15 up to DN300, series 17 from DN350 to 400, EN 558 series 21 excepted DN200
- Flanges R.F. according to ASME B16.05 Class 300
- Materials according to NACE MR 01-75

INSTALLATION POSITIONS :

Vertical position (descendand fluid)



Horizontal position

