

D71

D71 118.243 PN20 DN50-DN400

Carbon steel Y strainer flanged

CARBON STEEL Y STRAINER FLANGED CLASS 150 PN20

Carbon steel Y strainer flanged Class 150 PN20 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 150 PN20

Min Temperature : -29°C

Max Temperature : +425°C

Max Pressure : 20 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 150 (PN20)
- 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 : 20 bars

PRESSURE / TEMPERATURE RELATION :

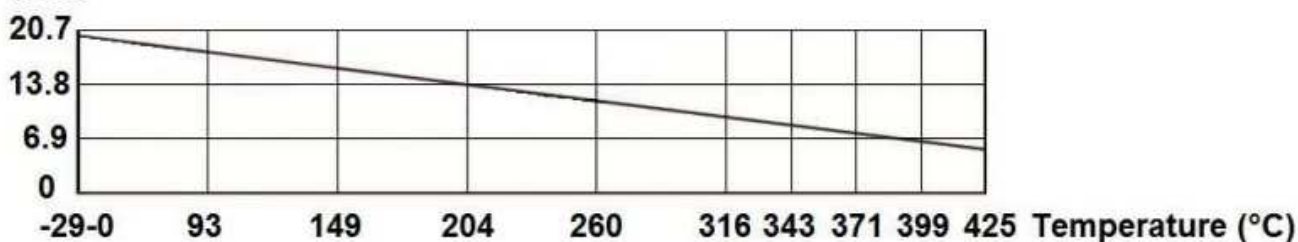
(According to AMSE B16-34 for A216 WCB)

Pressure (Bar)	19.6	19.6	17.9	15.8	13.8	11.7	9.6	8.6	7.6	6.5	5.5
Temperature (°C)	-29	38	93	149	204	260	316	343	371	399	425

PRESSURE / TEMPERATURE GRAPH :

Pressure

(Bar)



FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	50	80	100	150	200	250	300	350	400
NPS (")	2"	3"	4"	6"	8"	10"	12"	14"	16"
Kvs (m3/h)	50	90	150	350	600	1000	1400	1800	2400

RANGE :

- Carbon steel strainer flanged R.F. Class 150 (PN20) Ref. 243 from DN 50 to DN 400 (NPS from 2" to 16")

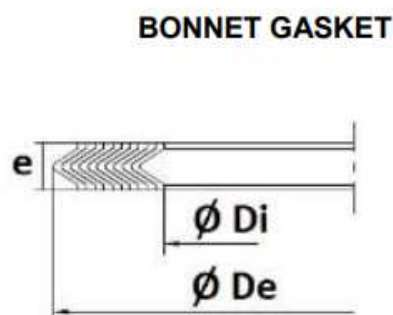
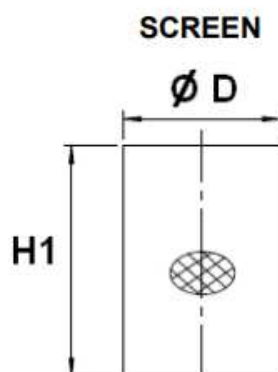
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REPAIRABILITY :



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

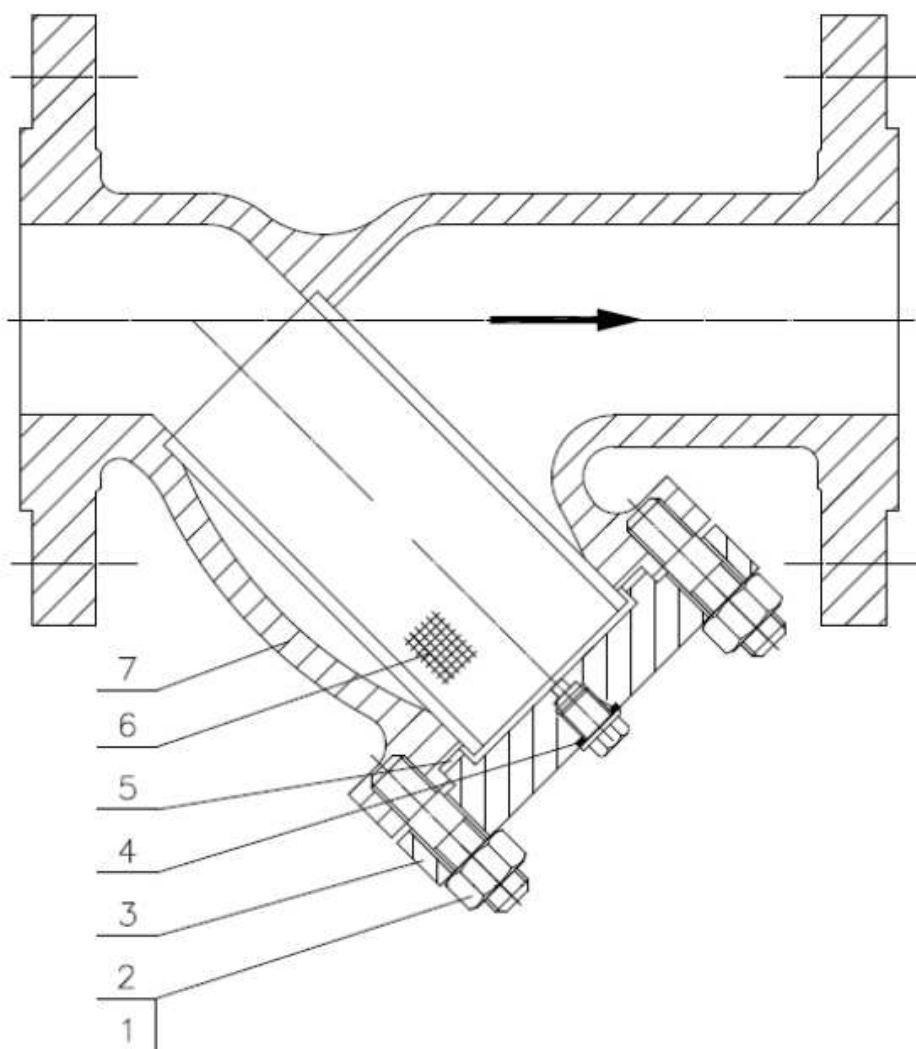
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MATERIALS :



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

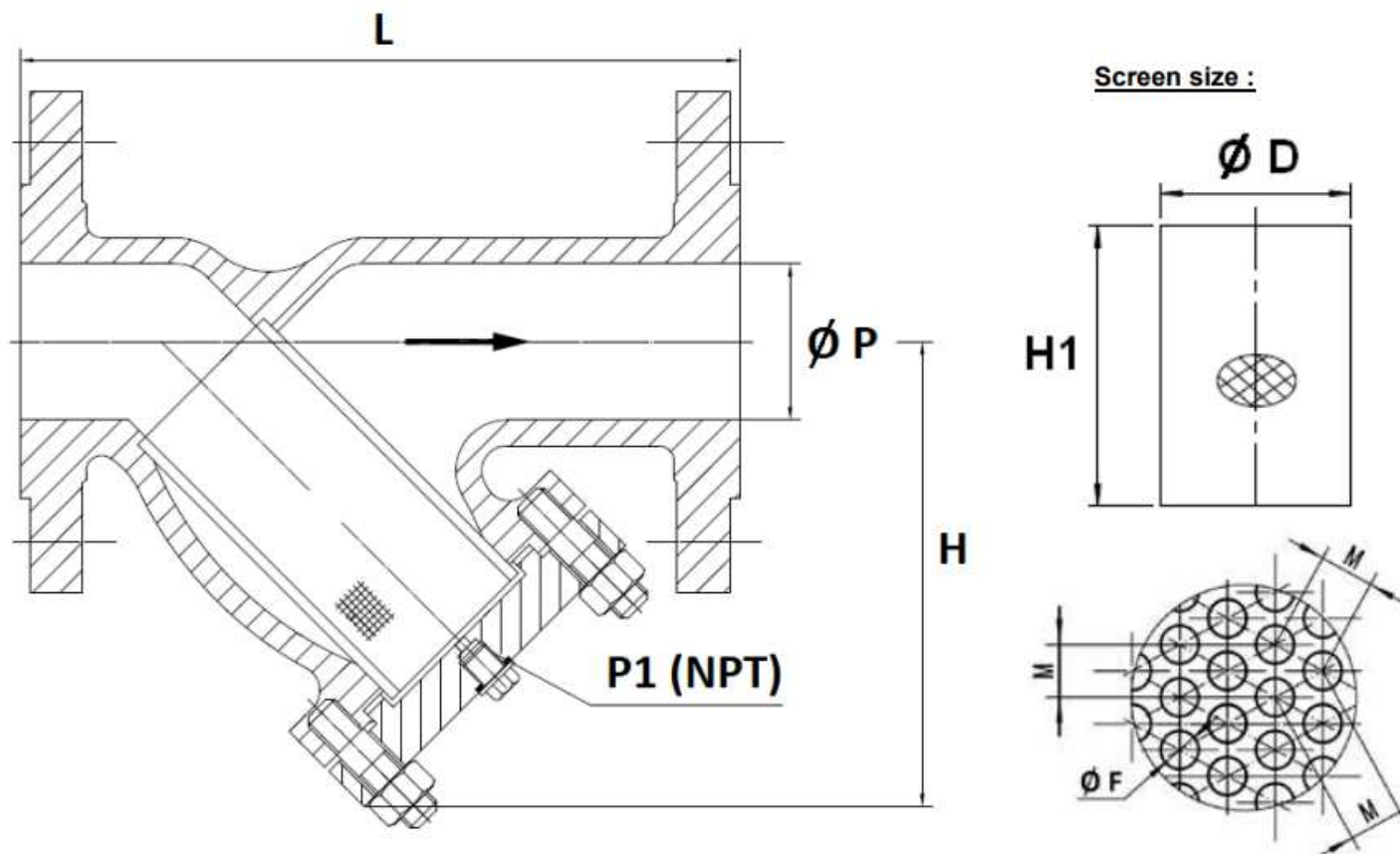
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SIZE (in mm) :



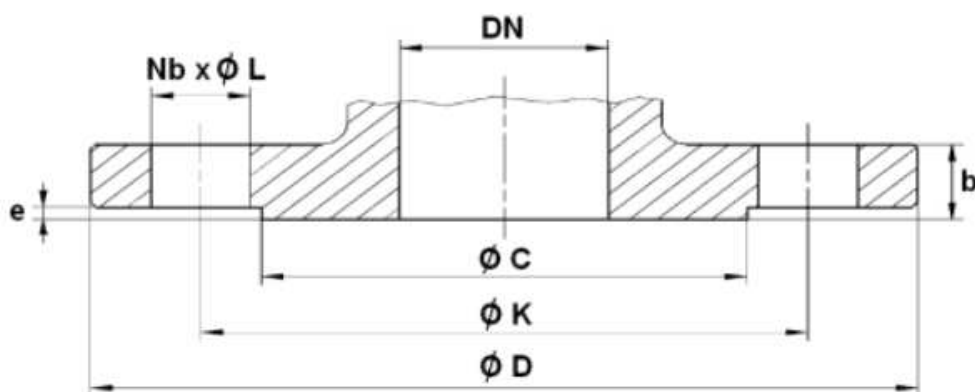
DN	50	80	100	150	200	250	300	350	400
NPS (")	2"	3"	4"	6"	8"	10"	12"	14"	16"
Ø P	50	80	100	150	200	250	300	350	400
L	203	241	292	406	495	622	699	787	914
H	146	175	227	283	372	443	495	695	840
P1 (drain NPT)	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"	1"
Ø D	55	80	105	150	190	235	280	340	390
H1	110	135	175	210	275	355	365	435	465
Mesh (ØF)	1	1.5							
M	3	3.5							
Weight (Kg)	8	15	24	39	67.2	133	198	319	405
Ref.	243050	243080	243100	243150	243200	243250	243300	243350	243400

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FLANGES SIZE (in mm) :

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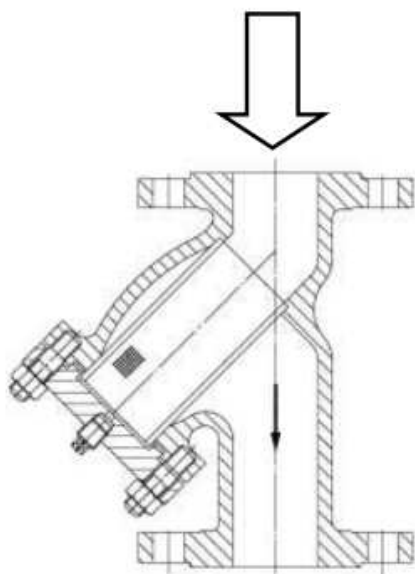
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STANDARDS :

- Manufacturer certified ISO 9001: 2015 and ISO 14001: 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN50 : Risk Category I, marking CE0036
 - DN65-150 : Risk Category II, marking CE0036
 - DN200-400 : Risk Category III, marking CE0036
- 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 1 A15 series and EN 558 series 10 (EN558 series 7 for DN150 6")
- Flanges R.F. according to ASME B16.05 Class 150
- Materials according to NACE MR 01-75

INSTALLATION POSITIONS :

Vertical position (descendand fluid)



Horizontal position

