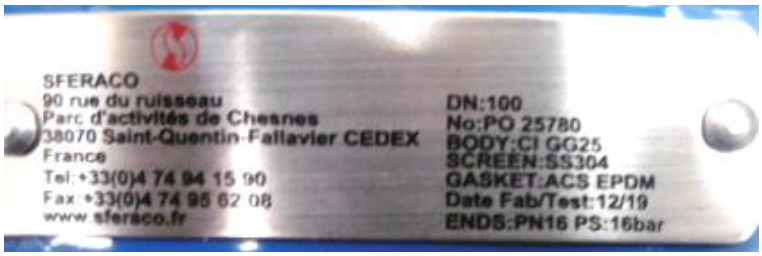
EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

PRODUCT EVOLUTION

Be careful, our y strainers Ref.233 ACS are changing

We currently have 2 different types available (according to DN) with different dimensions and caps

Example of old marking :



Example of new marking :



At the end, only the new type will be available (from page 2 to 9)

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

Ductile iron Y Strainer flanged PN16 for the filtration of drinking water network, watering, water treatment and irrigation.
Y Strainer with removable stainless steel screen and bolted bonnet.
Removable draining cap threaded BSP allowing an installation of a draining valve (from DN50 to DN400).

NEW

ATTESTATION DE CONFORMITÉ SANITAIRE ACS



Size :	DN40 to DN400
Connection :	Flanges RF PN10/16
Min Temperature :	-10°C
Max Temperature :	+80°C
Max Pressure :	16 Bars
Specifications :	Removable stainless steel screen Bolted bonnet with draining cap Epoxy painting
Materials :	Ductile iron EN GJS-400-15

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

SPECIFICATIONS :

- Removable stainless steel filter
- R.F. flanges PN10/16
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh1.5 mm from DN40 to 80, 2 mm from DN100 to 300 and 3 mm from DN350 to 400
- Bolted bonnet with draining cap threaded BSP
- Possible to equip with a draining valve (Ref.528)
- Epoxy painting 150 µ thickness, blue color RAL 5005

USE :

- For watering, water treatment and irrigation
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 80°C
- Max Pressure Ps : 16 bars for PN16 types and 10 bars for PN10 types

FLOW COEFFICIENT Kv (M3 / h) :

DN	40	50	65	80	100	125	150	200	250	300	350	400
Kv (m3/h)	37	60	100	150	230	330	400	650	1200	1900	2400	2890

HEAD LOSS CALCULATIONS :

$\Delta p = (Q / Kv)^2 \times SG$

Q : flow in m^3/h

Δp : Head loss in bar

SG : Specific gravity (= 1 for water)

Kv : Volume of water in m^3/h, that will flow through a given restriction or valve opening with a pressure drop of 1 bar at 20°C)

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

RANGE :

- Y strainer R.F. flanges PN10/16 from DN40 to DN400 **Ref.233**
- Y strainer R.F. flanges PN10/16 with draining valve NF from DN50 to DN 300 **Ref.233053 to 233304**
- Draining valve NF Male – Female **Ref. 528**

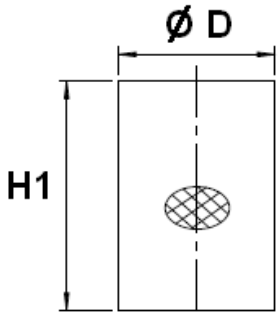
Example of filter with NF draining valve :



EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

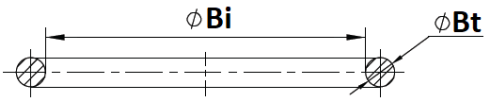
REPAIRABILITY :

SCREEN
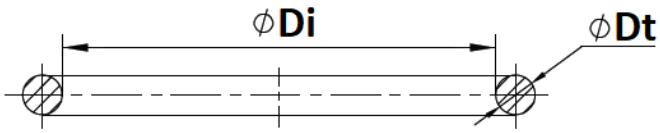




CAP O-RING GASKET



BONNET O-RING GASKET



		DN	50	65	80	100	125
Screen	Size	Ø D x H1	57 x 97	76 x 119	91 x 139	112 x 157	137 x 194
	Filtration	Mesh	1.5			2	
	Ref.		9802701	9802702	9802703	9802704	9802705
Cap O-ring	Size	Ø Bi x Ø Bt	19x2.65				25x2.65
	Ref		9802733				9802734
Bonnet O-ring	Size	Ø Di x Ø Dt	63x5	85x5	104x5.1	125x6	150x6
	Ref.		9802721	9802722	9802723	9802724	9802725

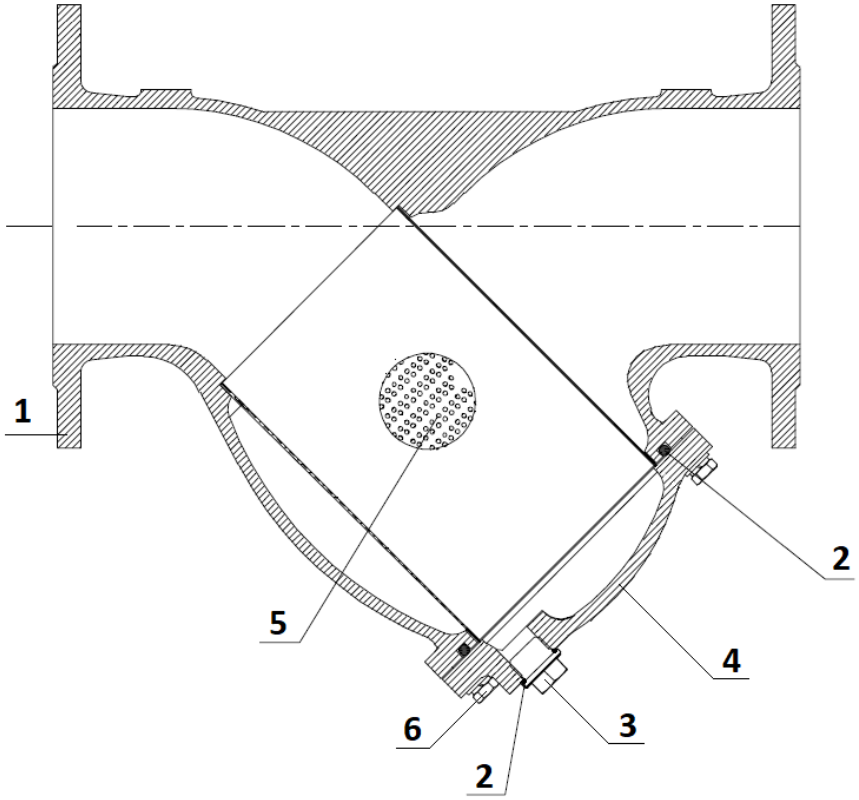
		DN	150	200	250	300	350	400
Screen	Size	Ø D x H1	163 x 234	218 x 311	264 x 359	318 x 409	382 x 487	427 x 537
	Filtration	Mesh	2				3	
	Ref.		9802706	9802707	9802708	9802709	9802710	9802711
Cap O-ring	Size	Ø Bi x Ø Bt	25x2.65					
	Ref		9802734					
Bonnet O-ring	Size	Ø Di x Ø Dt	175x7	224x7	280x7	330x8.6	392x10	438x10
	Ref.		9802726	9802727	9802728	9802729	9802730	9802731



Be carreful, the codes above relate to the current model with the identification plate above (for spare parts of another version, please contact us)

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

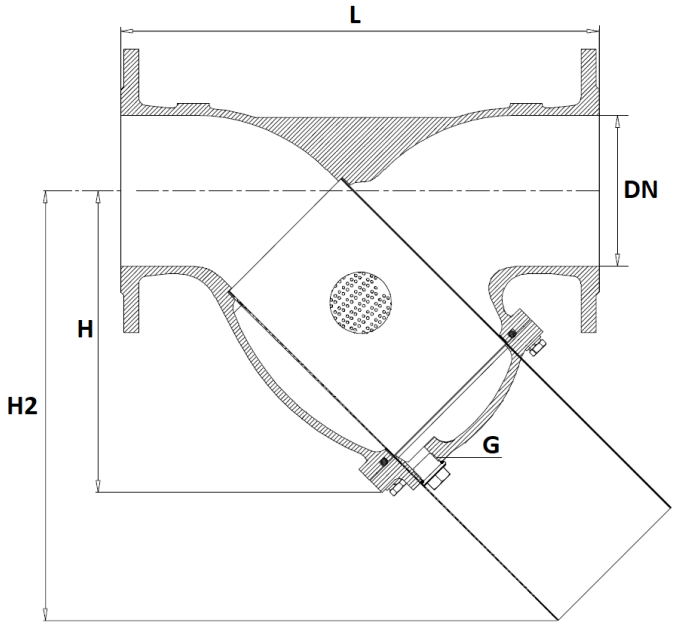
MATERIALS :



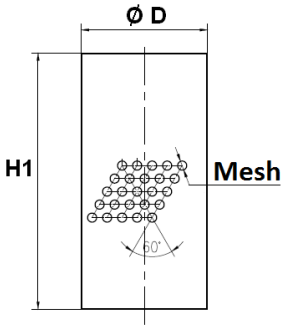
Item	Designation	Materials
1	Body	Ductile iron EN GJS-400-15
2	O-ring (bonnet and cap)	EPDM ACS
3	Drain (from DN50 to 400)	AISI 304
4	Bonnet	Ductile iron EN GJS-400-15
5	Screen	AISI 304
6	Bolting	

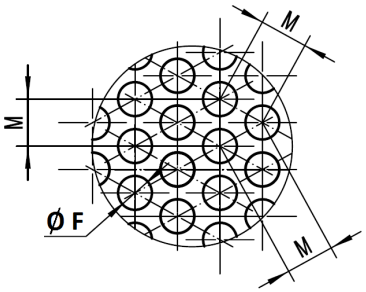
EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

SIZE (in mm) :

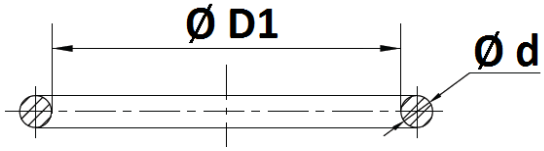


Screen size :





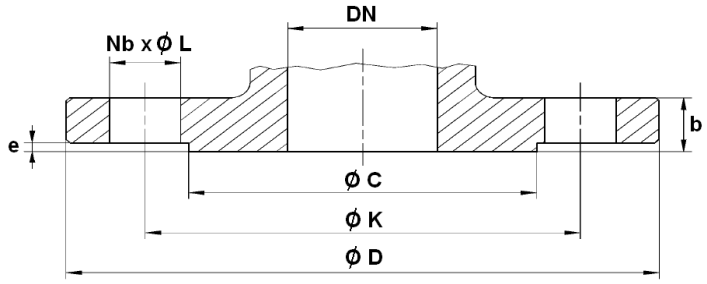
Bonnet gasket size :



DN	50	65	80	100	125	150	200	250	300	350	400
L	230	290	310	350	400	480	600	730	850	980	1100
H	125	155	182	220	260	308	400	440	540	620	685
H2	180	220	260	310	365	435	585	660	780	910	1000
G (drain)	1/2"				3/4"						
Ø D	57	76	91	112	137	163	218	264	318	382	427
H1	97	119	139	157	194	234	311	359	409	487	537
Mesh (Ø F)	1.5			2						3	
M	3			4						5.5	
Ø D1 x Ø d	63x5	85x5	104x5.1	125x6	150x6	175x7	224x7	280x7	330x8.6	392x10	438x10
Weight (Kg)	7.2	9.1	12.5	18	26	36.1	58	90	143	208	280
Ref.	233050	233065	233080	233100	233125	233150	233200	233250	233300	233350	233400

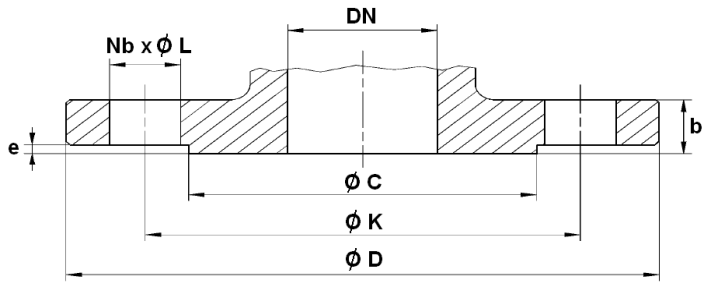
EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

FLANGES SIZE PN10 (in mm) :



PN	PN10				
DN	200	250	300	350	400
Ø C	266	319	370	429	480
Ø D	340	400	455	505	565
Ø K	295	350	400	460	515
Nb x Ø L	8 x 23	12 x 23	12 x 23	16 x 23	16 x 28
b	30	32	32	26.5	28
e	3	3	4	4	4
Ref.	233200	233250	233300	233350	233400

FLANGES SIZE PN16 (in mm) :



PN	PN10/16							PN16				
DN	40	50	65	80	100	125	150	200	250	300	350	400
Ø C	84	99	114	132	156	184	211	266	319	370	429	480
Ø D	150	165	185	200	220	250	285	340	400	455	520	580
Ø K	110	125	145	160	180	210	240	295	355	410	470	525
Nb x Ø L	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	12 x 23	12 x 28	12 x 28	16 x 28	16 x 31
b	18	20	20	22	24	26	26	30	32	32	26.5	28
e	3	3	3	3	3	3	3	3	3	4	4	4
Ref.	233040	233050	233065	233080	233100	233125	233150	233201	233251	233301		

Information provided as an indication and subject to possible modification

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded (article 1, § 2b)
- Pressure tests according to ISO 5208
- Length according to EN 558 Series 1 (DIN 3202-1 F1 – NF 29354)
- Flanges R.F. according to EN 1092-2 PN10/16
- French water agreement **A.C.S. N° 24 ACC LY 759**

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.

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

Cast iron Y Strainer flanged PN16 for the filtration of drinking water network, watering, water treatment and irrigation.
Y Strainer with removable stainless steel screen and bolted bonnet.
Removable draining cap threaded BSP allowing an installation of a draining valve (from DN50 to DN400).



Size :	DN40 to DN400
Connection :	Flanges RF PN10/16
Min Temperature :	-10°C
Max Temperature :	+80°C
Max Pressure :	16 Bars
Specifications :	Removable stainless steel screen Bolted bonnet with draining cap Epoxy painting
Materials :	Cast iron EN GJL-250

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

SPECIFICATIONS :

- Removable stainless steel filter
- R.F. flanges PN10/16
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh1.5 mm from DN40 to 80, 2 mm from DN100 to 300 and 3 mm from DN350 to 400
- Bolted bonnet with draining cap threaded BSP
- Possible to equip with a draining valve (Ref.528)
- Epoxy painting 150 µ thickness, blue color RAL 5005

USE :

- For watering, water treatment and irrigation
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 80°C
- Max Pressure Ps : 16 bars for PN16 types and 10 bars for PN10 types

FLOW COEFFICIENT Kv (M3 / h) :

DN	40	50	65	80	100	125	150	200	250	300	350	400
Kv (m3/h)	40	41	71	94	136	188	253	505	1017	1338	1509	1961

HEAD LOSS CALCULATIONS :

$\Delta p = (Q / Kv)^2 \times SG$

Q : flow in m^3/h

Δp : Head loss in bar

SG : Specific gravity (= 1 for water)

Kv : Volume of water in m^3/h, that will flow through a given restriction or valve opening with a pressure drop of 1 bar at 20°C)

Information provided as an indication and subject to possible modification

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

RANGE :

- Y strainer R.F. flanges PN10/16 from DN40 to DN400 **Ref.233**
- Y strainer R.F. flanges PN10/16 with draining valve NF from DN50 to DN 300 **Ref.233053 to 233304**
- Draining valve NF Male – Female **Ref. 528**

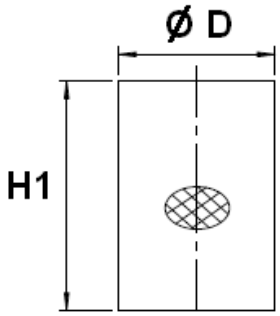
Example of filter with NF draining valve :



EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

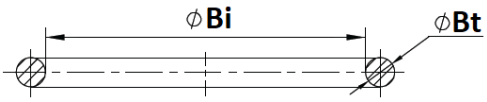
REPAIRABILITY :

SCREEN

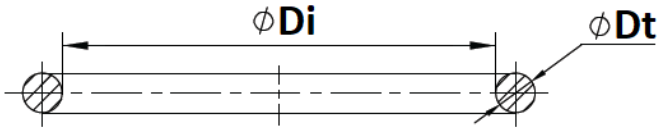




CAP O-RING GASKET

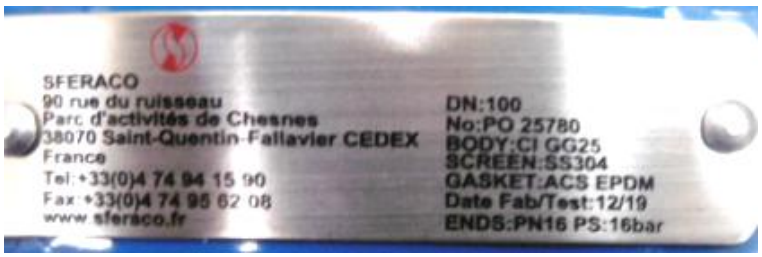


BONNET O-RING GASKET



		DN	40	50	65	80	100	125
Screen	Size	Ø D x H1	47 x 83	57 x 97	76 x 119	91 x 139	112 x 157	137 x 194
	Filtration	Mesh	1.5				2	
	Ref.		**9802700**	**9802701**	**9802702**	**9802703**	**9802704**	**9802705**
Cap gasket	Size	Ø Bi x Ø Bt	-	13x2.65	19x2.65			25x2.65
	Ref		-	9802732	9802733			9802734
Bonnet gasket	Size	Ø Di x Ø Dt	50x4	63x5	85x5	104x5.1	125x6	150x6
	Ref.		**9802720**	**9802721**	**9802722**	**9802723**	**9802724**	**9802725**

		DN	150	200	250	300	350	400
Screen	Size	Ø D x H1	163 x 234	218 x 311	264 x 359	318 x 409	382 x 487	427 x 537
	Filtration	Mesh	2				3	
	Ref.		**9802706**	**9802707**	**9802708**	**9802709**	**9802710**	**9802711**
Cap gasket	Size	Ø Bi x Ø Bt	25x2.65		29x2.65		47x3.55	
	Ref		9802734		9802735		9802736	
Bonnet gasket	Size	Ø Di x Ø Dt	175x7	224x7	280x7	330x8.6	392x10	438x10
	Ref.		**9802726**	**9802727**	**9802728**	**9802729**	**9802730**	**9802731**

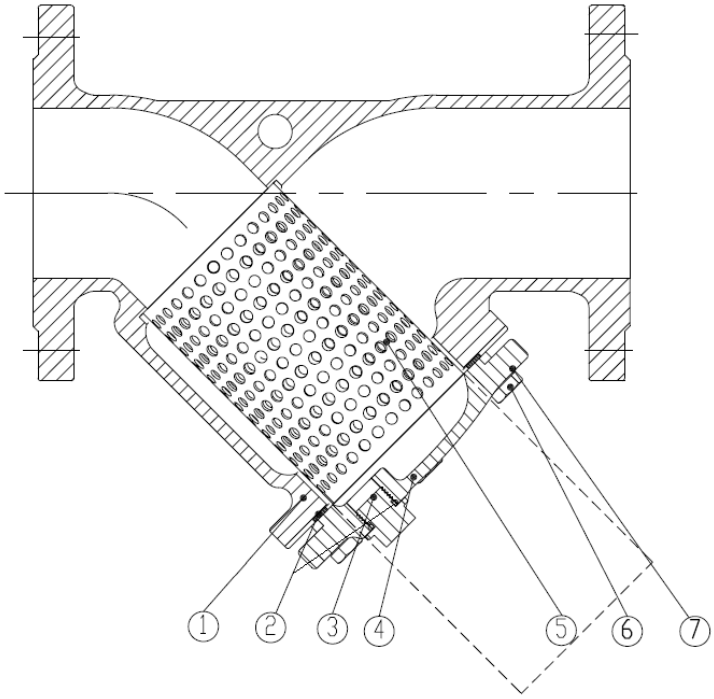


Be carreful, the codes above relate to the current model with the identification plate above (for spare parts of another version, please contact us)

Information provided as an indication and subject to possible modification

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

MATERIALS :

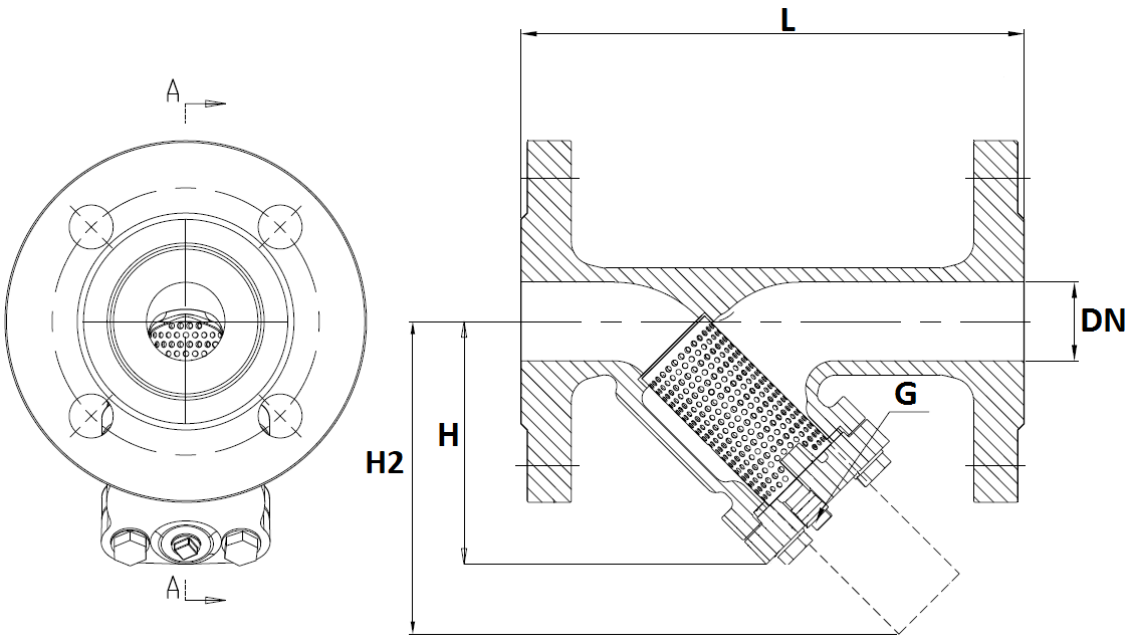


Item	Designation	Materials DN40-300	Materials DN350-400
1	Body	Cast iron EN GJL-250	Ductile iron EN GJS-500-7
2	O Ring (bonnet and drain)	EPDM ACS	
3	Drain (from DN50 to 400)	AISI 304	
4	Bonnet	Cast iron EN GJL-250	Ductile iron EN GJS-500-7
5	Screen	AISI 304	
6	Screw		
7	Washer		

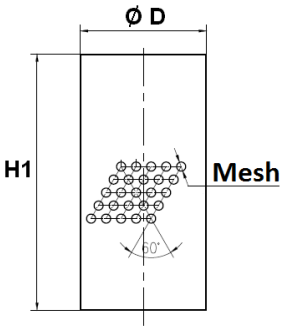
Information provided as an indication and subject to possible modification

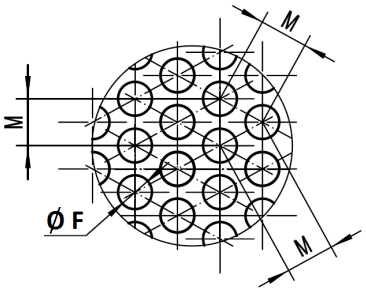
EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

SIZE (in mm) :

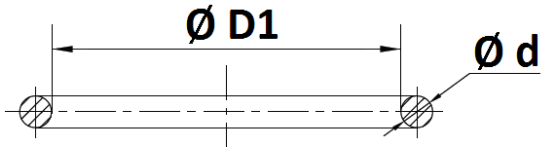


Screen size :





Bonnet gasket size :

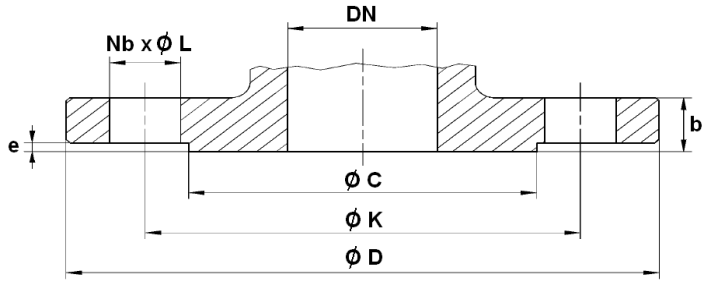


DN	40	50	65	80	100	125	150	200	250	300	350	400
L	200	230	290	310	350	400	480	600	730	850	980	1100
H	111	137.2	164.6	190	222.9	261.3	306.9	377.9	438.2	510.9	606	692.3
H2	154.5	180.7	225.3	264.8	294.9	357.6	429.2	558.3	657	768.6	890.2	1009.4
G (Drain)	No	3/8"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	1"	1"	2"	2"
Ø D	47	57	76	91	112	137	163	218	264	318	382	427
H1	83	97	119	139	157	194	234	311	359	409	487	537
Mesh (Ø F)	1.5				2						3	
M	3				4						5.5	
Ø D1 x Ø d	50x4	63x5	85x5	104x5.1	125x6	150x6	175x7	224x7	280x7	330x8.6	392x10	438x10
Weight (Kg)	5.67	8.5	11.7	15.2	21.9	30.8	43.9	76	115	169.5	223	320
Ref.	233040	233050	233065	233080	233100	233125	233150	233200	233250	233300	233350	233400

Information provided as an indication and subject to possible modification

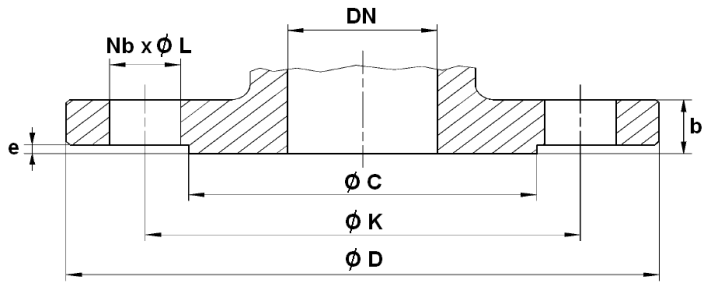
EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

FLANGES SIZE PN10 (in mm) :



PN	PN10				
DN	200	250	300	350	400
Ø C	266	319	370	429	480
Ø D	340	405	460	520	580
Ø K	295	350	400	460	515
Nb x Ø L	8 x 23	12 x 23	12 x 23	16 x 23	16 x 28
b	30	32	32	26.5	28
e	3	3	4	4	4
Ref.	233200	233250	233300	233350	233400

FLANGES SIZE PN16 (in mm) :



PN	PN10/16							PN16				
DN	40	50	65	80	100	125	150	200	250	300	350	400
Ø C	84	99	114	132	156	184	211	266	319	370	429	480
Ø D	150	165	185	200	220	250	285	340	405	460	520	580
Ø K	110	125	145	160	180	210	240	295	355	410	470	525
Nb x Ø L	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	12 x 23	12 x 28	12 x 28	16 x 28	16 x 31
b	18	20	20	22	24	26	26	30	32	32	26.5	28
e	3	3	3	3	3	3	3	3	3	4	4	4
Ref.	233040	233050	233065	233080	233100	233125	233150	233201	233251	233301		

Information provided as an indication and subject to possible modification

EPOXY DUCTILE IRON Y STRAINER FLANGED PN 10/16 ACS

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded (article 4, § 3)
- Pressure tests according to ISO 5208
- Length according to EN 558 Series 1 (DIN 3202-1 F1 – NF 29354)
- Flanges R.F. according to EN 1092-2 PN10/16
- French water agreement **A.C.S. N° 19 ACC LY 827**

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.