

Strainers [SEN]

Standard: EN

DN 15 ÷ DN 500

PN 16 ÷ PN 160

Design

- Forged or casted body and cover
- Bolted cover (BC)
- Net is safely build in between body and cover

Applications

- Power plant, Chemical, Petrochemical, Refining

Media

- Depending on the valve materials: water, steam, gas, oil and oil derivates and other non aggressive media

Pressure and temperature (table C.1.8)

- Pressure up to 160 bar
- Temperature up to 600 °C

Materials (table C.1.1)

- Carbon, heat resistant alloy and stainless steels

Advantages

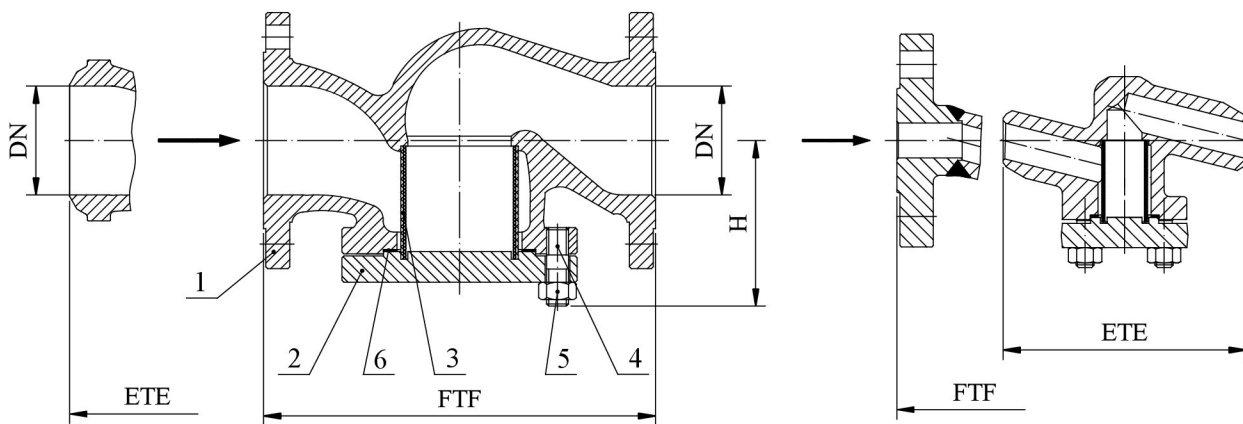
- Possibility of installation in any position
- Long service life
- Respect to emission standards
- Easy handling and maintenance

Options

- Threaded plug or valve installed on cover for quick draining
- Y-Type [SENY]
- Flanges and welding ends according to : GOST, DIN, ASME, etc.
- Other paint finishes are available upon customer's request
- Strainer complete with counter flanges, bolting and gaskets

Testing

- Every produced strainer was tested according to EN 12266



Drawing C.1.1 Parts and dimensions

List of materials

Table C.1.1

Item	Part	Material Group acc. to EN 12516-1					
		3E0	4E0	5E0	6E0	11E0	15E0 / 14E0
		Application					
		up to 400°C	up to 550°C	up to 550°C	up to 575°C	-196°C÷500°C	-196°C÷600°C
1	Body ⁽¹⁾	1.0460/1.0619	1.5415/1.5419	1.7335/1.7357	1.7383/1.7379	1.4301/1.4308	1.4571/1.4408
2	Cover ⁽¹⁾	1.0460/1.0619	1.5415/1.5419	1.7335/1.7357	1.7383/1.7379	1.4301/1.4308	1.4571/1.4408
3	Net	AISI 304 / AISI 316					
4	Stud Bolts	A193 B7 / 1.7225	A193 B16 / 1.7709		A193 B8 / 1.4301	A193 B8M / 1.4401	
5	Nuts	A194 2H / 1.1191	A194 4 / 1.7709		A194 8 / 1.4301	A193 8M / 1.4401	
6	Covert Gasket	spiral-wound / reinforced pure graphite					

⁽¹⁾other materials available according to EN standard

Standards

Table C.1.2

Strainers according to EN standards	PN 16 / PN 25 / PN 40	PN 63 / PN 100 / PN 160
Face-to face dimensions according to	EN 558, Serie 1	EN 558, Serie 2
Face-to face dimensions for [SENY] according to	EN 558 and manufacturer standard	
Flanged ends according to	EN 1092-1	
End-to-end dimensions according to	EN 12982, Serie 64	EN 12982, Serie 65
Welding ends according to	EN 12627	

[SEN] Dimensions PN16

Table C.1.3

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350 ⁽²⁾	400 ⁽²⁾	500 ⁽²⁾
[mm]	FTF	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1067	978
	ETE	130	130	130	160	180	210	290	310	350	400	480	600	730	850	980	1067	978
	H	80	80	80	105	105	117	125	136	170	180	215	285	360	410	430	470	520
kg	FTF	4	4.5	5	8.4	10	15	21	31	45	60	87	140	245	320	494	670	955
	ETE	2,3	2,4	2,6	5	6	8	12	23	34	45	69	116	219	286	345	615	830

⁽²⁾ Only for Y-tip [SENY]

[SEN] Dimensions PN25 / PN 40

Table C.1.4

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300
[mm]	FTF	130	150	160	180	200	230	290	310	350	400	480	600	730	850
	ETE	130	130	130	160	180	210	290	310	350	400	480	600	730	850
	H	80	80	80	105	105	117	125	136	170	180	215	285	360	410
kg	FTF	4	4.5	5	8.4	10	15	21	31	45	60	87	140	262	350
	ETE	2,3	2,4	2,6	5	6	8	12	23	34	45	69	116	219	321

⁽³⁾ PN 40

[SEN] Dimensions PN63

Table C.1.5

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
[mm]	FTF	210	230	230	260	260	300	340	380	430	500	550	650	775
	ETE	150	150	160	180	210	250	340	380	430	500	550	650	755
	H	80	80	80	110	110	143	173	192	235	260	315	380	434
kg	FTF	5.1	6.5	8.5	15	16	27	35	58	71	143	150	375	643
	ETE	2.5	2.7	3	8	9	15	26	47	63	123	128	326	593

[SEN] Dimensions PN100

Table C.1.6

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
[mm]	FTF	210	230	230	260	260	300	340	380	430	500	550	650	779
	ETE	150	150	160	180	210	250	340	380	430	500	550	650	779
	H	80	80	80	110	110	143	173	192	235	260	315	380	454
kg	FTF	5.1	6.5	8.5	15	16	28	36	64	96	156	240	445	705
	ETE	2.5	2.7	3	8	9	15	26	47	73	130	201	367	593

[SEN] Dimensions PN160

Table C.1.7

DN		15	20	25	32	40	50	65	80	100	125	150	200
[mm]	FTF	210	230	230	260	260	300	340	380	430	500	550	650
	ETE	150	150	160	180	210	250	340	380	430	500	550	650
	H	80	80	80	110	110	143	173	192	235	260	315	380
kg	FTF	5.1	6.5	8.5	16	17	28	37	68	98	160	246	455
	ETE	2.5	2.7	3	8	9	15	26	47	73	130	201	367

