

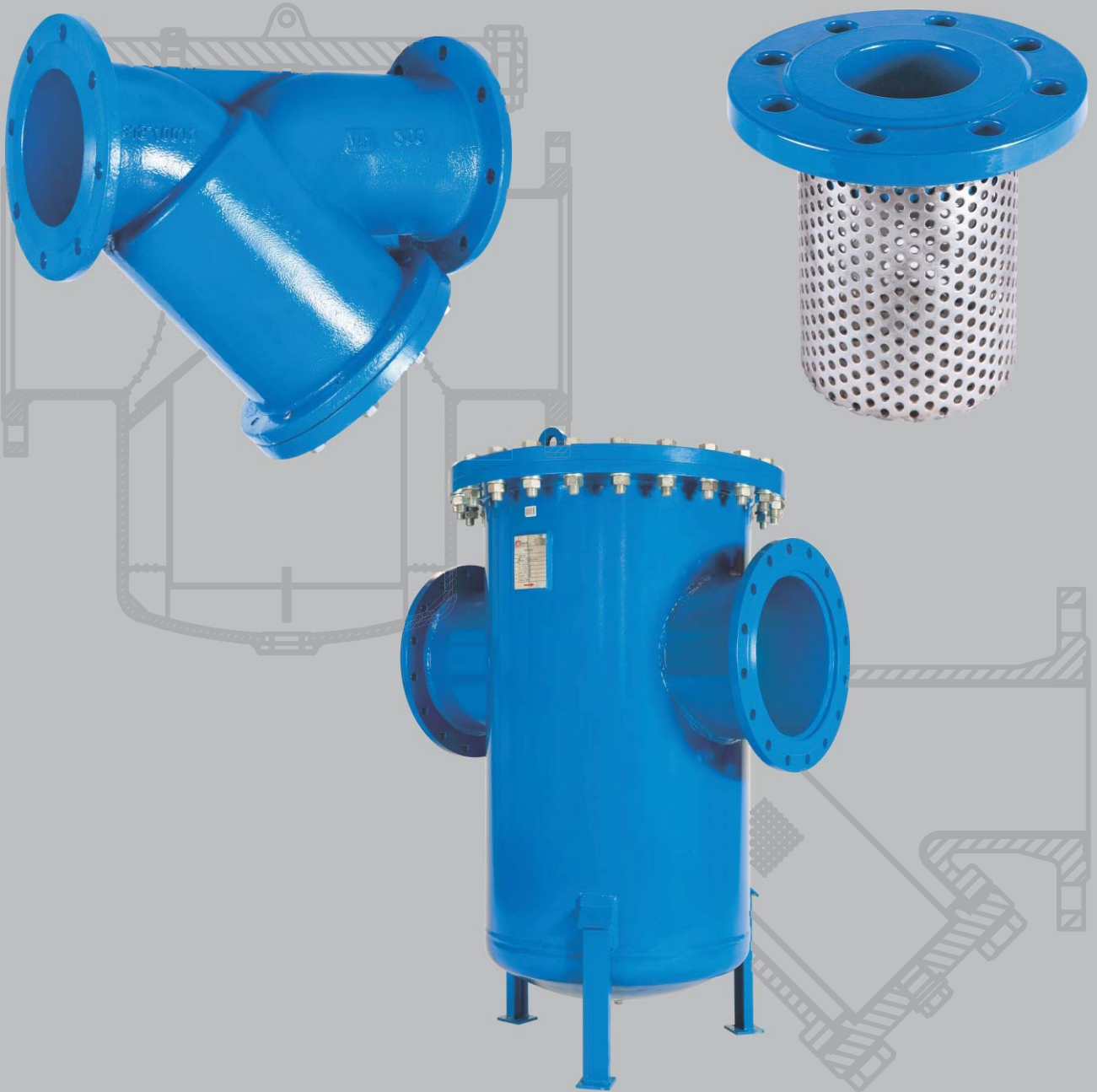


®

MIRAB CO.

Manufacturer of Industrial Valves
and Relevant Equipment

Strainers



Y– Type Strainer

Size: DN 50 - 300 mm

Pressure rating: PN10 - 40 bars

Face to Face: according to DIN EN 558-1 series 1 (DIN 3202-F1)

Flanges: according to DIN EN 1092-2 (DIN 2501)

Product features:

Renewable screen made of corrosion and acid resistant stainless steel.

Corrosion protection:

Body and cover interior and outside are coated with electrostatic epoxy powder. min. thickness 250 µm.

Options:

- Screen material and mesh size as per request.
- Flanges according to ANSI standard.
- Delivery without flange for direct welding to the pipes

Application:

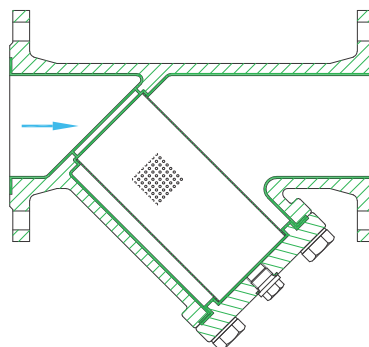
Strainers are used to prevent damage to system parts like: valves, pumps, etc. by external particles. Strainers separate dirt and external particles from flow.

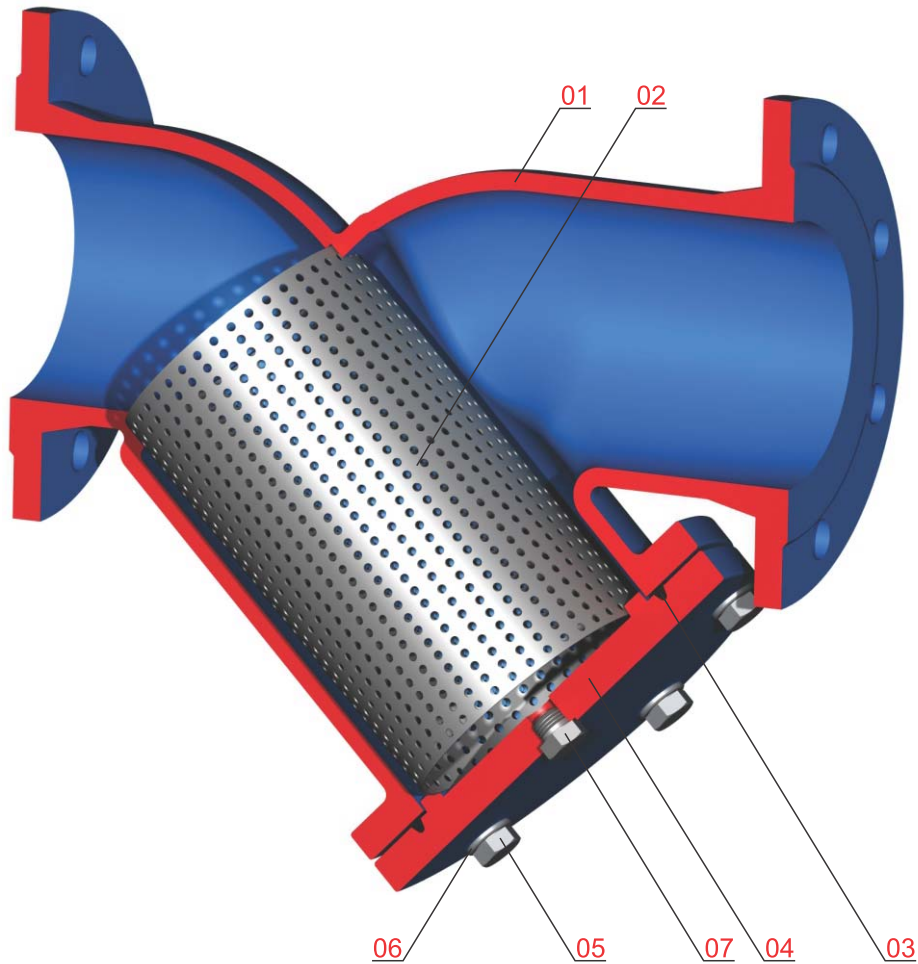
Hydrostatic test Pressure (bar) according to DIN EN 12266-1	
Nominal Pressure PN (bar)	Test Pressure
	Shell Test
10	17
16	25
25	38
40	60

Inline elastomer coated Y-type Strainers/ Sea Water type

This type of strainers is used specially for sea water services. We can produce this equipment from suitable material which is resistant against corrosion and erosion of sea water passing. Any type of stainless steel, Aluminum Bronze and Nickel Aluminum Bronze are available in Casting, Forming or Welding works in Mirab. Our company has another solution for equipment which are used with sea water or corrosive material, which is inline rubber lining to avoid using expensive material and reducing the cost.

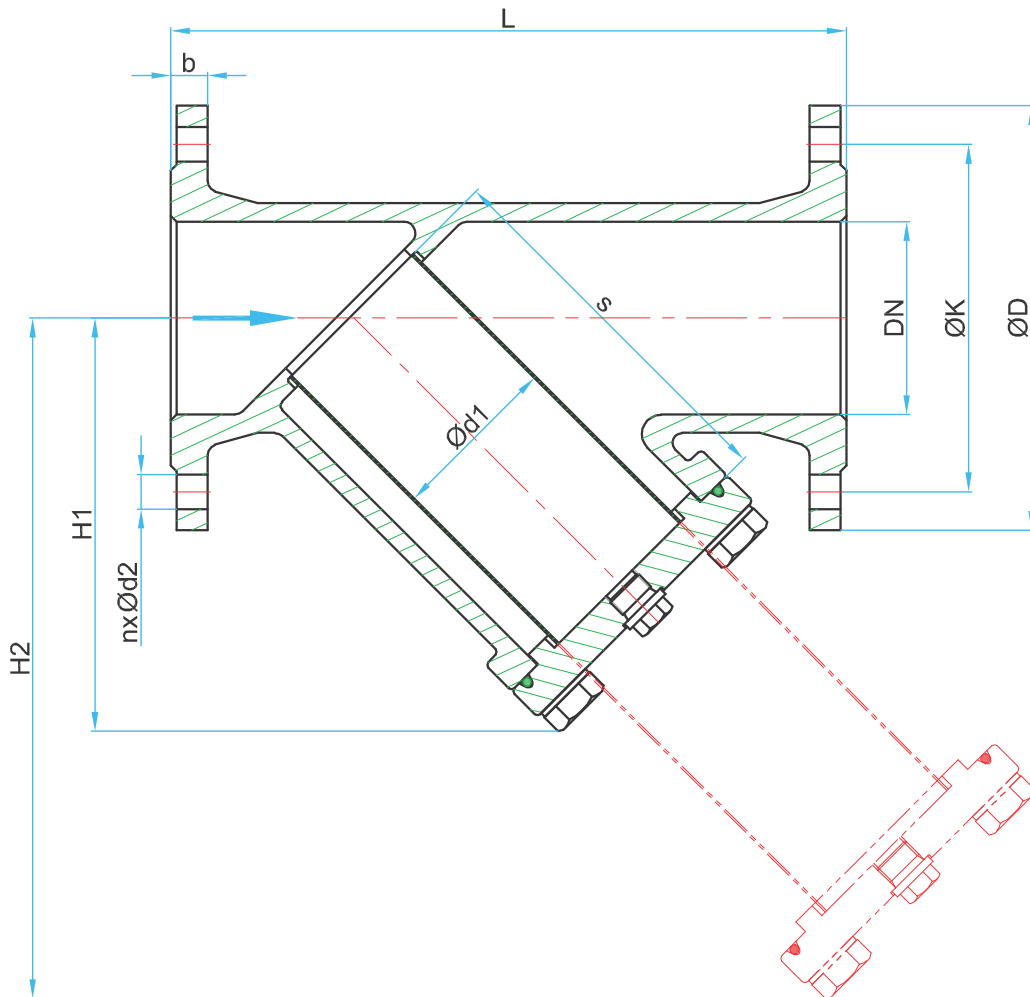
Rubber liners can be coated by EPDM or Ebonite as protection, layer against fluid destruction.



Part list


Part No.	Part Name	Part Material	Spare Part
01	Body	*EN-GJS-400-15	
02	Screen	1.4301	
03	Seal	EPDM / NBR	●
04	Cover	*EN-GJS-400-15	
05	Hexagonal head screw	A2 / Galvanized Steel	
06	Washer	A2 / Galvanized Steel	
07	Drain screw	A2	

*EN-GJS-500-7 can be produced as request.

Dimensions and weight


• DIN EN 1092 - 2 (DIN 2501)

• DIN EN 558 - 1 series 1 (DIN 3202 - F1)

DN mm	PN bar	•L mm	•ØD mm	•ØK mm	•Ød2 mm	•n	•b mm	H1 mm	H2 mm	S mm	Ød1 mm	Zeta	Kv m ³ /h	Screen		Weight kg
														Hole Dia mm	Holes cm ²	
50	10.16	230	165	125	19	4	19	128	215	113.5	60	3.1	57	1.5	4	10
65	10.16	290	185	145	19	4	19	185	315	152	65	3.1	96	3	6.5	15
80	10.16	310	200	160	19	8	19	205	355	159	80	3.2	143	3	6.5	17
100	10.16	350	220	180	19	8	19	240	415	196	95	3.4	223	3	6.5	26
125	10.16	400	250	210	19	8	19	285	475	239	110	3.4	338	3	6.5	37
150	10.16	480	285	240	23	8	19	328	548	264	132	3.5	480	3	6.5	54
200	10	600	340	295	23	8	20	405	660	335	180	3.5	854	3	6.5	89
	12					94										
250	10	730	395	350	23	12	22	515	880	385	256	3.5	1334	3	6.5	138
	16		405	355	28											143
300	10	850	445	400	23	12	24.5	610	1100	617.5	310	3.6	1895	3	6.5	229
	16		460	410	28											235

Data for pressures 25 and 40 bars on request.

T– type Strainer - Fabricated

Size: DN 150 - 1200 mm

Pressure rating: PN 10 - 40 bars

Face to face: according to Din EN 558-1

Flanges: according to DIN EN 1092-1 (DIN 2501)

Product Feature:

Renewable screen made of corrosion and acid resistant stainless steel. Flanges are raised face according to standard DIN 2526 type C. This type of strainer is produced by welding process. Provided with a drain screw at the bottom and a air release screw on the cover.

Corrosion protection:

Body and cover interior and outside are coated with electrostatic epoxy powder with min. Thickness 250 µm.

Option:

- Screen material and mesh size as per request.
- Flanges according to ANSI standard
- Delivery without flange for direct welding to the pipes

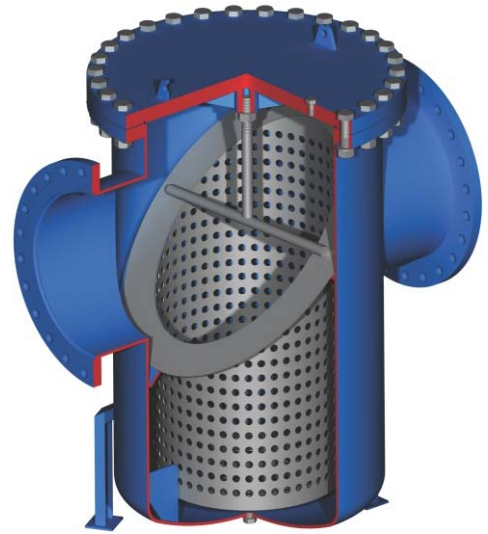
Application:

Strainers are used to prevent damage to system parts like: valves, pumps, etc. by external particles. Strainers separate dirt and external particles from flow.

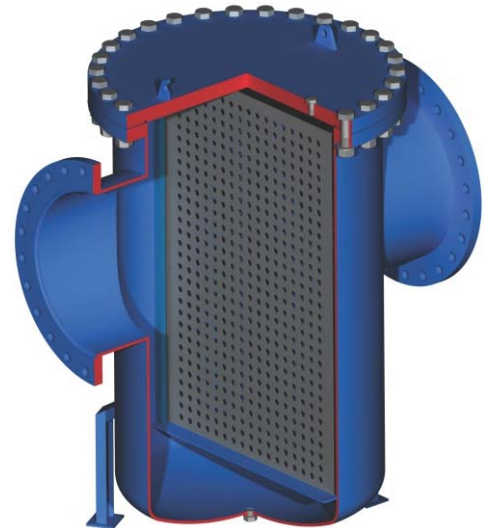
Hydrostatic test Pressure (bar) according to DIN EN 12266-1	
Nominal Pressure PN (bar)	Test Pressure
	Shell Test
10	17
16	25
25	38
40	60



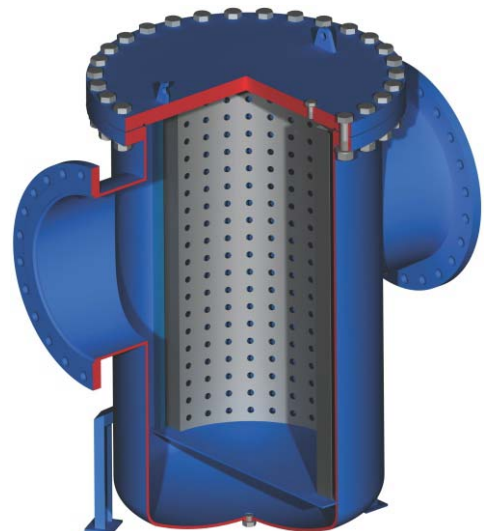
T-type Strainer with Cylindrical screen

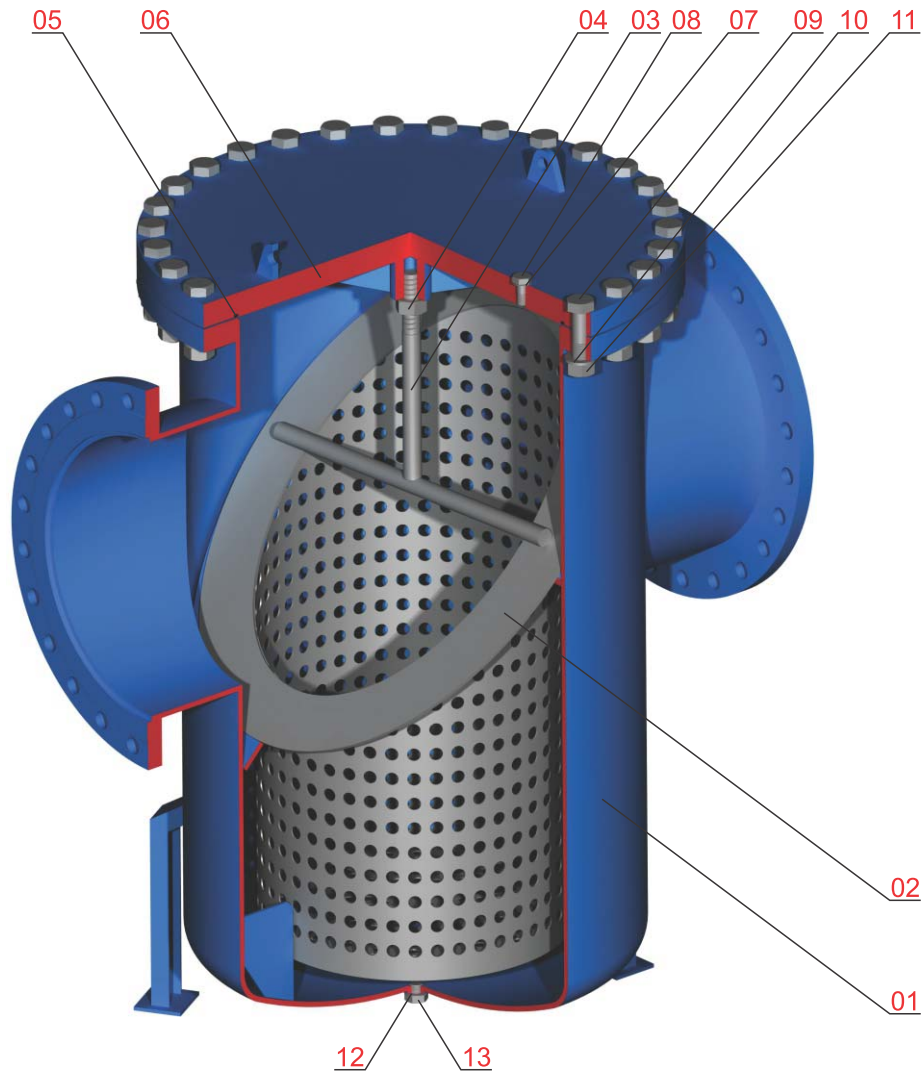


T-type Strainer with Flat screen

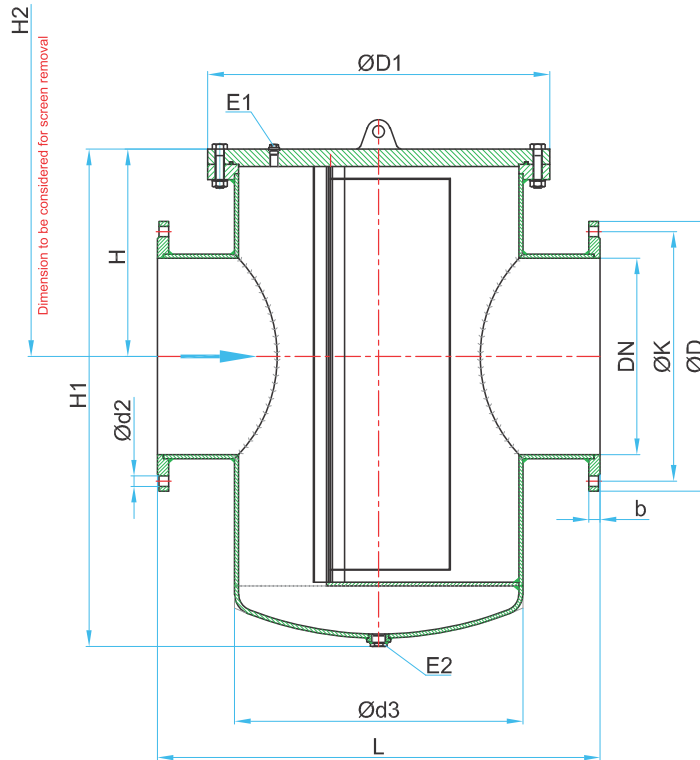


T-type Strainer with Curved screen



Part list


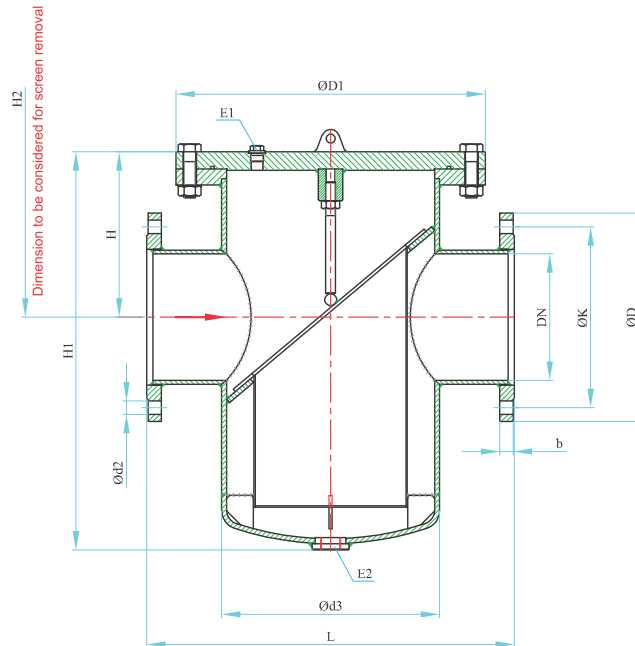
Part No.	Part Name	Part Material	Spare Part
01	Body	St. 37-2	
02	Screen	1.4301	
03	Adjustable Screw	1.4021	
04	Nut	Galvanized Steel / A2	
05	Elastomer Seal	EPDM / NBR	●
06	Cap	St. 37-2	
07	Washer	Galvanized Steel / A2	
08	Air Drain	A2	
09	Hexagonal Bolt	Galvanized Steel / A2	
10	Washer	Galvanized Steel / A2	
11	Nut	Galvanized Steel / A2	
12	Washer	Galvanized Steel / A2	
13	Drain	A2	

Dimensions and weight (Flat & Curved Screen)


- DIN EN 1092 - 1 (DIN 2501)
- DIN EN 558 - 1 series 48 (DIN 3202 - F6)

DN mm	PN bar	L mm	ØD mm	ØK mm	Ød2 mm	n	b mm	ØD1 mm	Ød3 mm	H mm	H1 mm	H2 mm	E1 in	E2 in	Screen		Zeta	Kv m³/h	Wgt. kg
															diameter	mesh			
50	10,16	200	165	125	18	4	18	220	114.3	150	255	325	G 3/8	G 1/2	1.5	4	3.1	57	21
65	10,16	240	185	145	18	4	18	250	139.7	170	300	385	G 3/8	G 1/2	3	6.5	3.1	96	30
80	10,16	260	200	160	18	8	20	285	168.3	180	335	430	G 3/8	G 1/2	3	6.5	3.2	143	36
100	10,16	300	220	180	18	8	20	315	193.7	200	380	485	G 3/8	G 1/2	3	6.5	3.2	223	50
125	10,16	350	250	210	18	8	22	340	219.1	220	475	600	G 3/8	G 1/2	3	6.5	3.4	338	63
150	10,16	400	285	240	22	8	22	400	273	275	550	715	G 1/2	G 3/4	4	6.5	3.5	480	97
200	10	500	340	295	22	8	24	445	323	325	570	760	G 1/2	G 3/4	4	6.5	3.5	854	121
	16							460		320	560								138
250	10	600	400	350	23	12	26	505	355	360	700	910	G 1/2	G 3/4	4	6.5	3.5	1334	175
	16			520				335		900									190
350	10	800	505	460	22	16	26	620	508	410	915	1150	G 1/2	G1	5	10	3.6	2655	340
	16		520	470						26	30	630							420
400	10	900	565	515	26	16	26	720	610	425	905	1200	G 1/2	G1	5	10	3.5	3417	360
	16		580	525						30	32	730							440
500	10	1100	670	620	26	20	28	810	700	515	1225	1550	G 1/2	G1	5	10	3.5	5338	690
	16		715	650						33	34								820
600	10	1300	780	725	30	20	28	930	800	640	1490	1900	G 3/4	G1	5	10	3.2	8040	960
	16		840	770						36	36								930
700	10	1500	895	840	30	24	30	1050	930	700	1500	2100	G 3/4	G1	5	10	—	—	—
	16		910																36
800	10	1700	1015	950	33	24	32	1050	1060	775	1700	2300	G 3/4	G1	5	10	—	—	—
	16		1025																39

Data for pressures 25 and 40 bars on request.

Dimensions and weight (Cylindrical Screen)


• DIN EN 1092 - 1 (DIN 2501)

• DIN EN 558 - 1 series 1 (DIN 3202 - F1)

DN mm	PN bar	L mm	ØD mm	ØK mm	Ød2 mm	n	b mm	ØD1 mm	Ød3 mm	H mm	H1 mm	H2 mm	E1 in	E2 in	Screen		Zeta	Kv m³/h	Wgt. kg
															diameter	mesh			
50	10,16	230	165	125	18	4	18	220	114.3	155	270	330	G 3/8	G 1/2	1.5	4	3.1	57	29
65	10,16	290	185	145	18	4	18	250	139.7	175	300	385	G 3/8	G 1/2	3	6.5	3.1	96	40
80	10,16	310	200	160	18	8	20	285	168.3	185	340	445	G 3/8	G 1/2	3	6.5	3.2	143	45
100	10,16	350	220	180	18	8	20	315	219.1	205	390	460	G 3/8	G 1/2	3	6.5	3.2	223	69
125	10,16	400	250	210	18	8	22	340	219.1	245	490	630	G 3/8	G 1/2	3	6.5	3.4	338	96
150	10,16	480	285	240	22	8	22	400	274	280	576	762	G 1/2	G 3/4	3	6.5	3.5	480	140
200	10	600	340	295	22	8	24	505	356	270	750	922	G 1/2	G 3/4	3	6.5	3.5	854	157
	16																		
250	10	730	400	350	23	12	26	565	406	290	806	989	G 1/2	G 3/4	3	6.5	3.5	1334	215
	16			355	28														
300	10	850	445	400	23	12	26	670	508	350	880	945	G 1/2	G1	5	10	3.6	1895	275
	16			410	28														281
350	10	980	505	460	22	16	26	780	610	427	1195	1305	G 1/2	G1	5	10	3.6	2655	435
	16		520	470	26														30
400	10	1100	565	515	26	16	26	895	711	475	1402	1497	G1	G1	5	10	3.5	3417	590
	16		580	525	30			32											910
500	10	1250	670	620	26	20	28	1115	914	596	1580	1790	G 1/2	G1	5	10	3.5	5338	1010
	16		715	650	33														34
600	10	1450	780	725	30	20	28	1180	1016	675	1960	2191	G 3/4	G1	5	10	3.2	8040	1360
	16		840	770	36			36											1220
700	10	1650	895	840	30	24	30	1160	1100	682	2062	2219	G 3/4	G1	5	10	—	—	1715
	16		910		36														36
800	10	1850	1015	950	33	24	32	1440	1219	747	2245	2425	G 3/4	G1	5	10	—	—	2000
	16		1025		39														38
900	10	2050	1115	1050	33	28	34	1400	1219	840	2332	2584	G 3/4	G1	5	10	—	—	2260
	16		1125		39														40
1000	10	2250	1230	1160	36	28	34	1644	1422	900	2590	2829	G 3/4	G1	5	10	—	—	3510
	16		1255	1170	42														42
1200	10	2500	1455	1380	39	32	38	1880	1632	925	3085	3502	G 3/4	G1	5	10	—	—	5445
	16		1485	1390	46														48

Data for pressures 25 and 40 bars on request.

One Side Flanged Type

Size: DN 50 - DN 1200 mm

Pressure rating: PN 10 - 16 PN bars

Flanges: according to DIN EN 1092 (DIN 2501)

Product Feature:

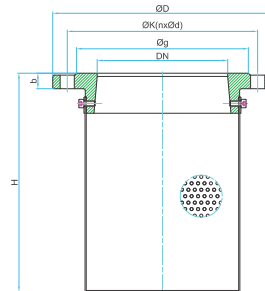
This type of strainers is installed in upstream of pumps inlet from natural pools, dam pools & lakes. The screen meshes can be made based on customer request. Since water has some impurities, pressure loss control is strongly recommended. Replaceable screen made of corrosion and acid resistant stainless steel.

Corrosion protection:

Body interior and outside are coated with electrostatic epoxy powder with min. Thickness 250 µm.

Option:

- Screen material and mesh size as per request.
- Flanges according to ANSI standard
- DIN EN 1092 - 2 (DIN 2501)



DN mm	PN bar	•ØD mm	•ØK mm	•Ød mm	•n	•b mm	H mm	Wgt. kg
50	10.16	165	125	19	4	19	185	4.5
65	10.16	185	145	19	4	19	185	5
80	10.16	200	160	19	8	19	185	5.5
100	10.16	220	180	19	8	19	200	6.5
125	10.16	250	210	19	8	19	200	8.5
150	10.16	285	240	23	8	19	285	11
200	10	340	295	23	8	20	395	16
	16				12			
250	10	400	350	23	12	22	400	22
	16		355	28				
300	10	455	400	23	12	24.5	500	29
	16		410	28				
350	10	505	460	23	16	24.5	600	39
	16		470	28		26.5		42
400	10	565	515	28	16	24.5	650	49
	16		525	31		28		54
450	10	615	565	28	20	25.5	700	54
	16		585	31		30		65
500	10	670	620	28	20	26.5	800	70
	16		650	34		31.5		84
600	10	780	725	31	20	30	870	99
	16		770	37		36		124
700	10	895	840	31	24	32.5	900	133
	16			37		39.5		144
800	10	1015	950	34	24	35	1000	166
	16	1025		41		43		184
900	10	1115	1050	34	28	37.5	1130	204
	16	1125		41		46.5		229
1000	10	1230	1160	37	28	40	1185	392
	16	1255	1170	44		50		424
1200	10	1455	1380	41	32	45	1250	411
	16	1485	1390	50		57		459

Data for pressures 25 and 40 bars on request.

MIRAB Co' PRODUCTS

Butterfly Valves Family: Double Flanged Type, Butt-weld End, Wafer Type, Lug Type, Hydraulic Actuated, Pneumatic Actuated.

Gate Valves Family: Soft-Sealing Gate Valve, Metal Seat Gate Valve, Knife Gate Valve, Sluice Gate Valve.

Non Return Valves Family: Tilting Disc with Counter Weight, Tilting Disk with Counter Weight and Hydraulic Damper, Swing Check Valve, Silent Check Valve, Foot Valve, Nozzle Check Valve, Wafer Pattern Check Valve, Flap Valve.

Air Vent Family: Single Chamber - Double Orifices , Double Chambers - Double Orifices, Sewage Air Valves, Large - Orifice Air Valve.

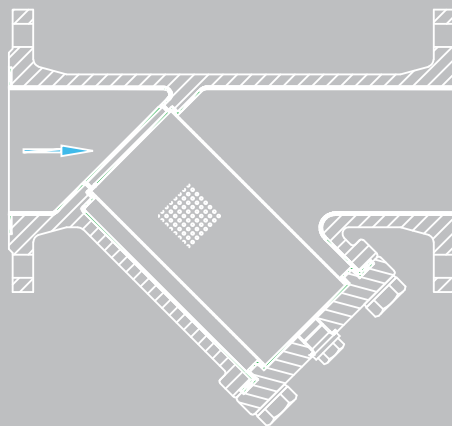
Control Valves Family: Automatic Control Valves, Needle Valve, Globe Valve, Fixed Cone Free Discharge Valve, Hollow Jet Valve, Sleeve Valve.

Hydrant Valves Family: Standing Type, Pit Type, Wet Barrel Fire Fighting Valve, Post Indicator Valve.

Strainers Family: Y Type, T Type, One Side Flanged Type.

Fittings Family: Dismantling Joint F1&F2, Pipe Coupling, Flange.

Actuators: Electrical, Hydraulic, Pneumatic, Portable Electrical.



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