



Abresan Tolou Mehr Company

Producer of valves and under pressure joints

Strainers

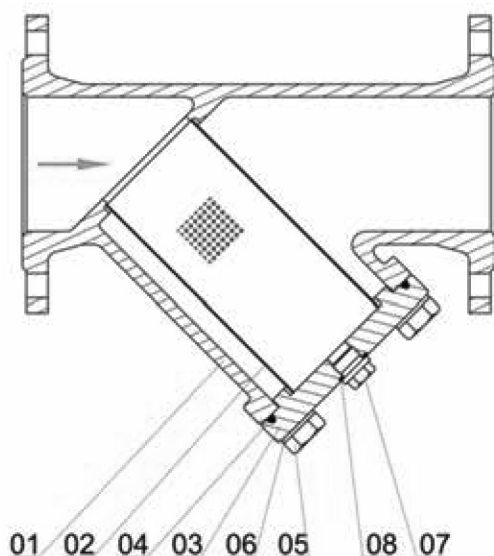


ISO 9001:2008



www.atmehr.com

Flanged, Y-type bent strainer (STRY)



Usable in all industrial, building, water and sewage, drinking water and non-corrosive liquid facilities up to °80C temperature in order to prevent entry of particles present in the liquids into pumps, valves and sensitive equipment. The design of this type of strainer enables easy evacuation of impurities in addition to creating low pressure decrease. Also among advantages of these strainers is evacuation of impurities from the basket without the need to remove the strainer from the pipe.

Pressure: PN 10 -PN 40

Size: DN 50 -DN 300

Flange dimensions according to standard:
DIN EN 1092 – 2 (DIN 2501)

Flange to valve flange according to standard:
DIN EN 558 – 1 series 1 (DIN 3202 F1)

Characteristics:

With interchangeable strainer made of acid-proof and stainless steel
The flanges' sealing surfaces are according to DIN 2526 form C standard

Coating:

All cast iron parts are coated with blue epoxy powder (RAL 5015 or 5005) using electrostatic.

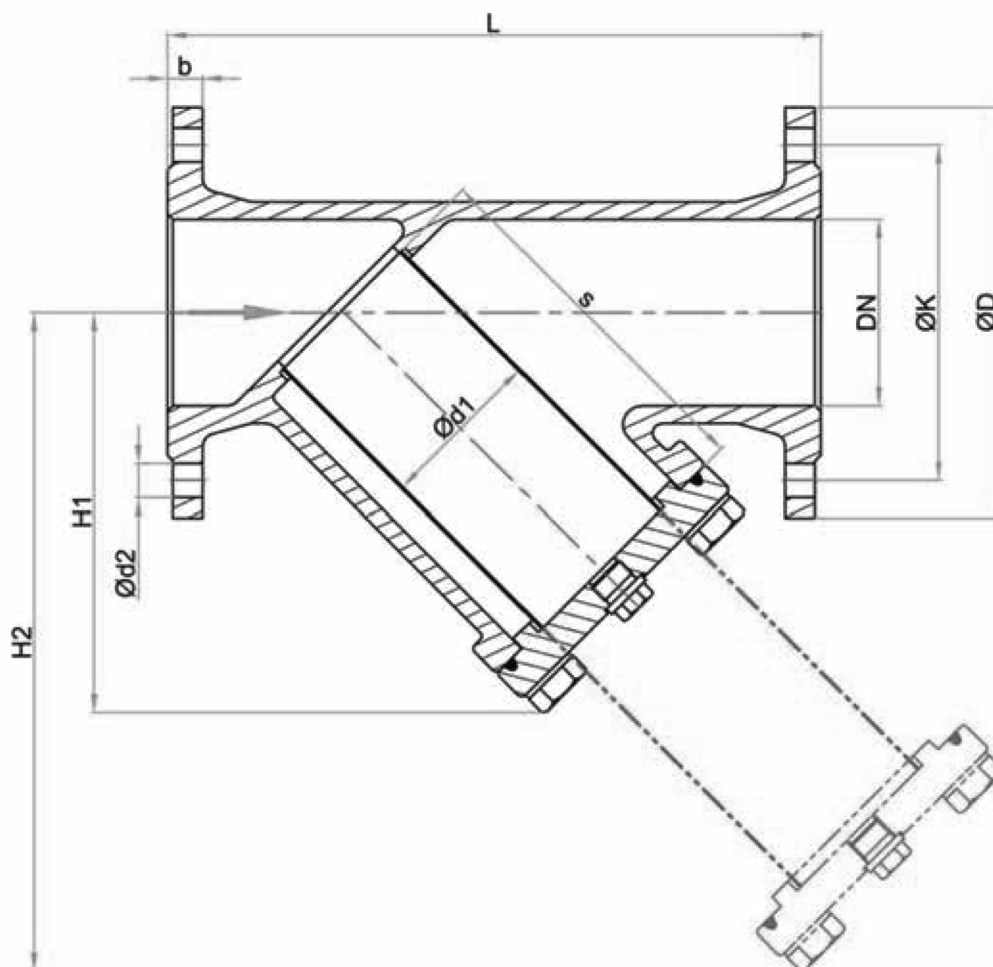
Pressure test according to DIN EN 12266-1		
Pressure test with water (bar)		Nominal pressure (bar)
Body strength test	Sealing test	
17	11	10
25	17.6	16
37.5	27.5	25

Part no.	Part name	Part material	Spare parts
01	Body	EN-GJS-400-15 ⁽¹⁾	
02	Netting	1.4301	
03	Cap	EN-GJS-400-15 ⁽¹⁾	
04	Sealing rubber	EPDM / NBR	•
05	Hexagon head bolt	Galvanized steel /A2	
06	Gasket	Galvanized steel /A2	
07	Evacuation screw	Galvanized steel /A2	
08	Gasket	Galvanized steel /A2	

(1) Can be produced with EN-GJS- 500 - 7 subject to order.

Abresan Toloue Mehr Company reserves the right to change any dimension and specification to promote quality while considering related standards.

Dimensions and Weight of Strainer Type Y



• DIN EN 1092 – 2 (DIN 2501)

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

DN mm	PN bar	L mm	ΦD mm	ΦK mm	Φd2 mm	n	b mm	H1 mm	H2 mm	ΦS mm	Φd1 mm	Zeta	Kv m³/h	سوراخ های توری	
														قطر	گام
50	10.16	230	165	125	19	4	19	128	215	112	60	3.1	57	1.5	4
65	10.16	290	185	145	19	4	19	185	315	172	65	3.1	96	3	6.5
80	10.16	310	200	160	19	8	19	205	355	193	80	3.1	143	3	6.5
100	10.16	350	220	180	19	8	19	240	415	222	95	3.4	223	3	6.5
125	10.16	400	250	210	19	8	19	285	475	243	110	3.4	338	3	6.5
150	10.16	480	285	240	23	8	19	328	548	287	132	3.5	480	3	6.5
200	10	600	340	295	23	8	20	405	660	332	180	3.5	854	3	6.5
200	16	600	340	295	23	12	20	405	660	332	180	3.5	854	3	6.5
250	10	730	395	350	23	12	22	515	880	510	256	3.5	1334	3	6.5
250	16	730	405	350	28	12	22	515	880	510	256	3.5	1334	3	6.5
300	10	850	445	400	23	12	24.5	610	1100	620	310	3.6	1895	3	6.5
300	16	850	460	410	28	12	24.5	610	1100	620	310	3.6	1895	3	6.5

Characteristics for 25 bar and 40 bar pressures can be presented subject to customer request.

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Two head flanged, blade strainer

Characteristics of two head flanged blade strainer:

With interchangeable strainer made of acid-proof and stainless steel

With aeration screw on cap and evacuation screw at the bottom of strainer

Face to face dimensions on the flange according to DIN EN 3202 - F6 standard

Final hydrostatic test of the strainer according to DIN 12266-1 standard

Delivery possible under certain conditions:

Diameter and level of holes subject to customer order

Delivery of strainer without flange for welding to pipe

Flanges according to ANSI standard

Name and material of two head flanged blade strainer parts:

Body: ST37-2

Flange: ST37-2

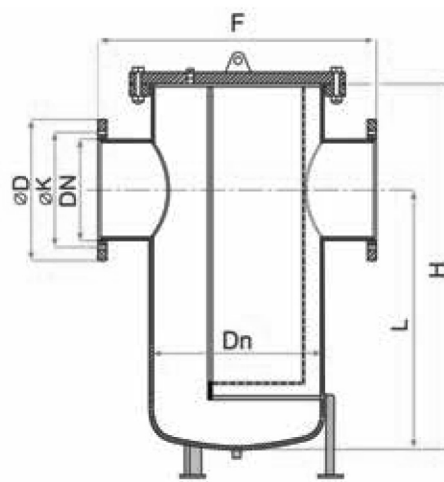
Netting: Stainless steel AISI 304

Sealing rubber: •EPDM or NBR

Screw and nut: •Galvanized steel or A2

• Spare parts available

Coating: epoxy powder paint with electrostatic coating the thickness of which is at least 250 micron and holds authorized certification for drinking water from valid international institutes.



Piercing of flanges according to standard: EN 1092-1 (ISO 7005-1, DIN 2501)

DN	DN	F	H	L	ΦD			ΦK		
					PN10	PN16	PN25	PN10	PN16	PN25
150	250	400	650	425	285	285	300	240	240	250
200	300	500	700	467	340	340	360	295	295	310
250	350	600	750	500	395	405	425	350	355	370
300	400	700	800	533	445	460	485	400	410	430
350	450	800	950	633	505	520	555	460	470	490
400	500	900	1050	700	565	580	620	515	525	550
450	550	1000	1100	733	615	640	670	565	585	600
500	600	1100	1200	800	670	715	730	620	650	660
600	700	1300	1400	933	780	840	845	725	770	770
700	800	1500	1600	1067	895	910	960	840	840	875
800	1000	1700	1800	1200	1015	1025	1085	950	950	990
900	1100	1900	2000	1333	1115	1125	1185	1050	1050	1090
1000	1200	2100	2200	1467	1230	1255	1320	1160	1170	1210
1200	1400	2200	2350	1567	1455	1485	1530	1380	1390	1420

Characteristics for larger sizes and pressures higher than 25 bar will be presented according to customer request.

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Two head flanged cylindrical basket strainer type (St 3)

Characteristics of two head flanged cylindrical strainer (basket):

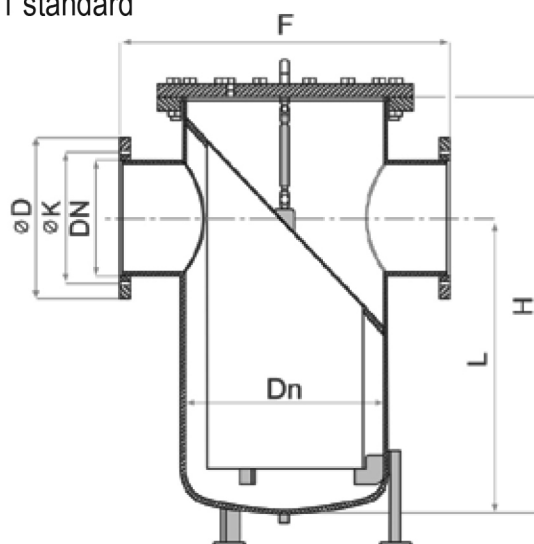
- With interchangeable strainer made of acid-proof and stainless steel
- With aeration screw on cap and evacuation screw at the bottom of strainer
- Face to face dimensions on the flange according to DIN EN F1- 3202 standard
- Final hydrostatic test of the strainer according to DIN 12266-1 standard

Delivery possible under certain conditions:

- Diameter and level of holes subject to customer order
- Delivery of strainer without flange for welding to pipe
- Flanges according to ANSI standard

Name and material of two head flanged cylindrical (basket) strainer parts:

- Body: ST37-2
- Flange: ST37-2
- Netting: Stainless steel AISI 304
- Sealing rubber: •EPDM or NBR
- Screw and nut: •Galvanized steel or A2
- Spare parts available



Coating: epoxy powder paint with electrostatic coating the thickness of which is at least 250 micron and holds authorized certification for drinking water from valid international institutes.

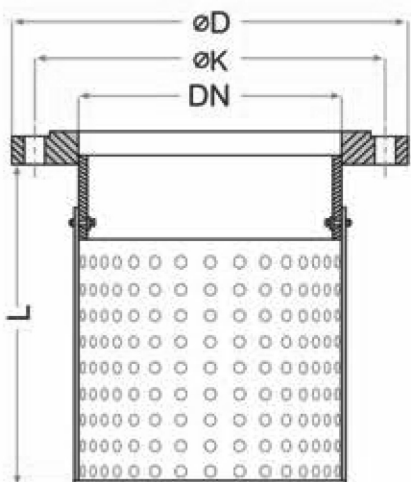
Piercing of flanges according to standard: EN 1092-1 (ISO 7005-1, DIN 2501)

DN	DN	F	H	L	ΦD			ΦK		
					PN10	PN16	PN25	PN10	PN16	PN25
150	300	480	650	425	285	285	300	240	240	250
200	400	600	750	500	340	340	360	295	295	310
250	450	730	850	560	395	405	425	350	355	370
300	550	850	1050	700	445	460	485	400	410	430
350	600	980	1150	760	505	520	555	460	470	490
400	700	1100	1300	860	565	580	620	515	525	550
450	750	1200	1400	930	615	640	670	565	585	600
500	800	1250	1500	1000	670	715	730	620	650	660
600	900	1450	1700	1130	780	840	845	725	770	770
700	1000	1650	1900	1260	895	910	960	840	840	875
800	1100	1850	2100	1400	1015	1025	1085	950	950	990
900	1200	2050	2300	1530	1115	1125	1185	1050	1050	1090
1000	1300	2250	2650	1760	1230	1255	1320	1160	1170	1210

Characteristics for larger sizes and pressures higher than 25 bar will be presented according to customer request.

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One head flanged strainer type (St1)



Application of one head flanged strainer:

It is used to prevent the entry of foreign particles into the pipe while sucking in water.

Name and material of one head flanged strainer parts:

- Body: ST37-2
- Flange: ST37-2
- Netting: Stainless steel AISI 304
- Screw and nut: •Galvanized steel or A2
- Spare parts available

Coating: epoxy powder paint with electrostatic coating the thickness of which is at least 250 micron and holds authorized certification for drinking water from valid international institutes.

Piercing of flanges according to standard: EN 1092-1 (ISO 7005-1, DIN 2501)

DN	L	ϕK			ϕD		
		PN10	PN16	PN25	PN10	PN16	PN25
50	175	125	125	125	165	165	165
65	175	145	145	145	185	185	185
80	210	160	160	160	200	200	200
100	260	180	180	190	220	220	235
125	285	210	210	220	250	250	270
150	355	240	240	250	285	285	300
200	395	295	295	310	340	340	360
250	465	350	355	370	395	405	425
300	490	400	410	430	445	460	485
350	565	460	470	490	505	520	555
400	640	515	525	550	565	580	620
450	725	565	585	600	615	640	670
500	775	620	650	660	670	715	730
600	925	725	770	770	780	840	845
700	1075	840	840	875	895	910	960
800	1235	950	950	990	1015	1025	1085
900	1370	1050	1050	1090	1115	1125	1185
1000	1500	1160	1170	1210	1230	1255	1320
1200	1800	1380	1390	1420	1455	1485	1530
1400	2060	1590	1590	1640	1675	1685	1755

Characteristics for larger sizes and pressures higher than 25 bar will be presented according to customer request.

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Strainer type T (with flat netting)

Pressure: PN 10 – PN 40

Size: DN 150 – DN 1200

Flange dimensions according to standard: DIN EN 1092- 1 (DIN 2501)

Flange to flange valve according to standard: DIN EN 558 – 1 series 48 (DIN 3202 F6)

Characteristics:

With interchangeable netting made of acid-proof and stainless steel, sealing surfaces of flanges according to DIN 2526 form C standard

This type of strainers is produced using welding. With aeration screw on cap and evacuation screw at the bottom of strainer.

Coating:

All cast iron parts are coated with blue epoxy powder paint (RAL 5015 or 5005) through electrostatic.

Delivery possible under certain conditions:

Flanges according to ANSI standard

Delivery of strainer without flange for welding to pipe

Diameter and level of holes and netting material subject to customer order

Pressure test according to DIN EN 12266-1

Pressure test with water (bar)		Nominal pressure (bar)
Body strength test	Sealing test	
17	11	10
25	17.6	16
37.5	27.5	25



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