

WORCOT UK™

Bucket, Conical, Duplex, T/Y-Type Strainers



Standard Cast/Fabricated Pipeline Strainers



Special Flow Control & Engineering

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ASME Code Composition

ASME Code

Section 2 - Material

- Part A : Ferrous Material Spec.
- Part B : Non-Ferrous Material Spec.
- Part C : Spec. for Welding Rods, Electrodes and Filler Metal

Section 5 - Non-Destructive Examination

Section 8 - Rules for construction of pressure vessel

- Division 1 : General

Section 9 – Welding and Blazing Qualifications

ASME Code for Pressure Piping B31 Ser.

B31.1 Power Piping

B31.3 Chemical Plant and Petroleum refinery Piping -> **Process Piping**

B16 American National Standards for Piping, Pipe Flanges, Fitting and Valves

B16.5	Pipe Flanges and Flanged Fittings NPS ½ through NPS 24 metric/inch STD.
B16.9	Factory-Made Wrought Butt welding Fitting
B16.10	Face to Face and End to End Dimensions of Valves.
B16.11	Forged Fittings, Socket Welding and Threaded.
B16.20	Metallic Gaskets for Pipe Flanges : Ring-Joint, Spiral-Wound and Jacketed.
B16.21	Nonmetallic Flat Gasket for Pipe Flanges.
B16.25	Butt Welding Ends.
B16.34	Valves-Flanged, Threaded and Welding End.
B16.47	Large Diameter Steel Flanges NPS 26 through NPS 60 metric/inch STD.

Worcot UK Pipeline Strainers



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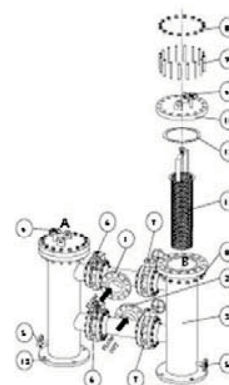
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Protecting pumps, Filters, nozzles, flowmeters, valves, heat exchangers, condensers, oil burners, boilers and other process system components from damaging pipeline debris is what Worcot UK Pipeline Strainers do best. For more than 50 years, Worcot UK strainers have led the way with designs that meet the growing and rigorous demands of process and manufacturing industries, utilities, and municipalities.



Worcot UK Pipeline Strainers

Worcot UK Pipeline strainers do the best to protect the pumps, filters, nozzles, flow meters, valves, heat exchangers, condensers, oil burners, boilers and other plant components from the damaging due to pipeline debris.

For more than 10 years, Worcot UK strainers have led the way with designs that meet the growing demands of process and manufacturing industries, and utilities.



On time Delivery – (27) Model Numbers Available

Maintaining the largest and broadest inventory of strainers in the factory, we can provide off-the-shelf delivery of simplex, duplex, and T/Y strainers in metals such as cast iron, carbon steel, bronze and stainless steel.



Widely Applicable Strainer

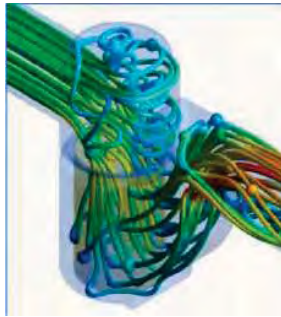
Worcot UK pipeline strainer is widely adoptable for various straining application. We manufacture complete range of every type of strainer in pipeline sizes from 1/2" to 48". The larger size will be also available.

Manufacturing the Strainers Just for our Customers

For a unique configuration or size, unusually high pressure, or a special alloy, we have the capability and experience to economically fabricate the strainers to meet customer's needs specifically.



Model **BC**, Bucket Casting Strainers

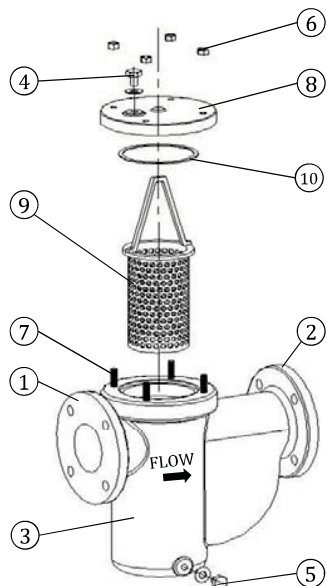


Bucket strainers(Casting) are generally used with liquids and where regular or frequent cleaning is needed. A bucket strainer is installed upright and the bucket is lifted out from the top. This makes it easier to use with gummy or sticky fluids or with large pipeline sizes where the filled bucket weight can be considerable. However, unlike a Y strainer, it also means that a bucket strainer has to be installed in a horizontal line. A single bucket strainer is used where the line can be shut down for short periods to clean or change the bucket. It becomes an integral part of the pipeline and all flow passes through it.

The BC type is highly recommendable for medium size or alloy product in piping system application. In case of big size BC type, the davit attaching will not be easy. Flange connection is recommended.

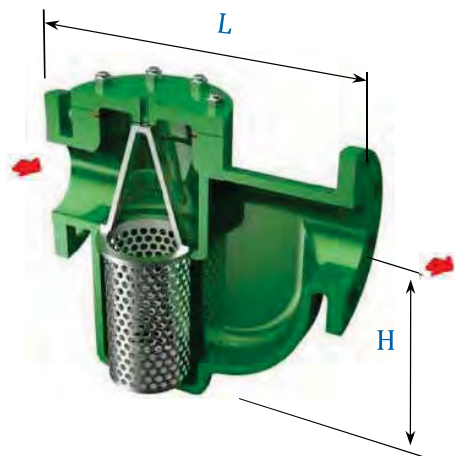
Specifications

Sizes:	1" to 12" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Screw Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit : None	• Davit
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Vent Plug
5	Drain Plug
6	Hex Nut
7	Stud Bolt
8	Cover
9	Screen
10	Gasket

Model **BC**, Bucket Casting Strainers



BC type



Removal space

● DIMENSION TABLE

UNIT (mm)

Size		L		H		OH		Drain	Vent	Net Weight(kg)	
A(mm)	Inch(″)	#150	#300	#150	#300	#150	#300			#150	#300
25A	1″	200	210	120		300		1/2″	1/2″	11	15
32A	1 1/4″	225	235	120		370		1/2″	1/2″	13	17
40A	1 1/2″	225	235	120		370		1/2″	1/2″	14	19
50A	2″	245	255	160		430		1/2″	1/2″	18	24
65A	2 1/2″	280	290	195		490		1/2″	1/2″	25	30
80A	3″	300	310	210		560		1/2″	1/2″	33	45
100A	4″	350	370	250		690		1/2″	1/2″	50	60
125A	5″	445	495	317		878		1/2″	1/2″	86	110
150A	6″	505	540	440		1062		1/2″	1/2″	116	145
200A	8″	665	700	520		1350		1/2″	1/2″	170	195
250A	10″	710	755	637		1715		3/4″	1/2″	240	300
300A	12″	930	885	778		2067		3/4″	1/2″	500	580

※ Larger sizes and higher pressure classes available. Consult Factory.

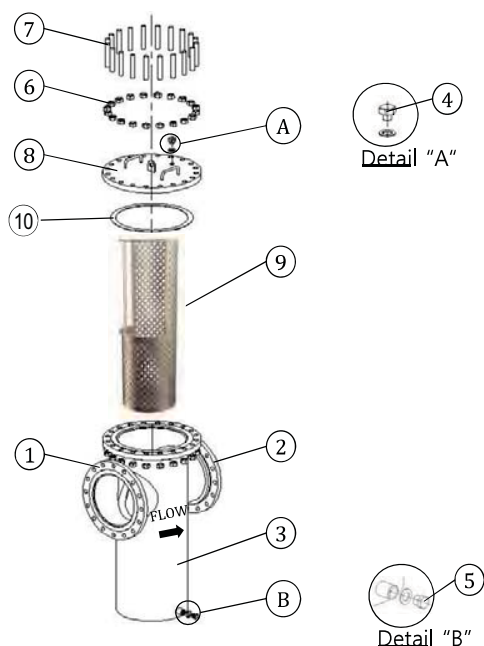
Model **BL,BLm,B1** Bucket Fabricated Strainers

BL type strainer has been developed to minimize eddy effect and it is recommendable in high fluid velocity. The flow characteristics related with the Filtering area and the differential pressure have improved. End connection is Flange.



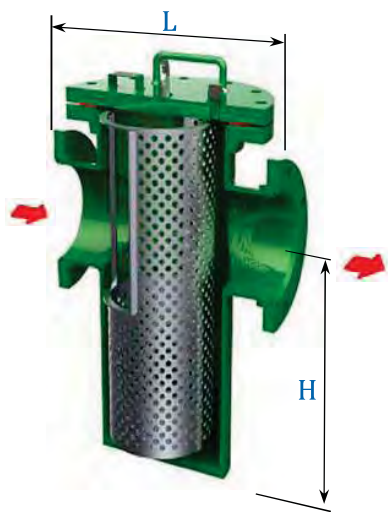
Specifications

Sizes:	1" to 40" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

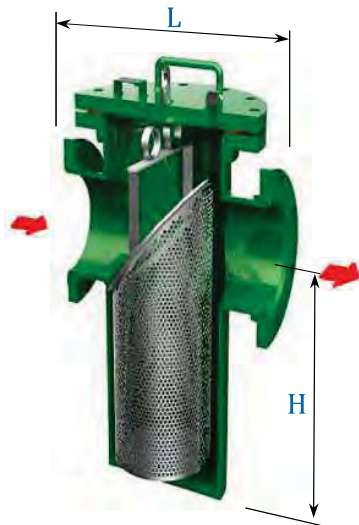


Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Vent Plug
5	Drain Plug
6	Hex Nut
7	Stud Bolt
8	Cover
9	Screen
10	Cover Gasket

Model **BL,BLm,B1** Bucket Fabricated Strainers



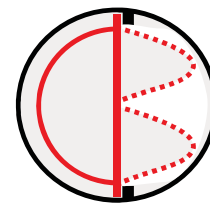
BL type



B1 type



Removal space



BLm type(New)

B1 type strainer has been widely used for long time and it is recommendable to adopt in low fluid velocity. Flanged end connection is recommendable.

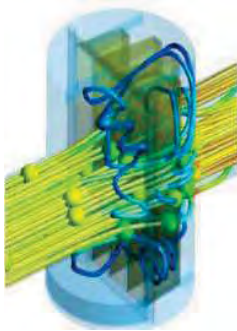
① DIMENSION TABLE

UNIT (mm)

Size		Body	L		H		OH		Drain	Vent	Net Weight(kg)	
A(mm)	Inch(″)	Inch(″)	#150	#300	#150	#300	#150	#300			#150	#300
25A	1″	3″	260	280	150		570		1/2″	1/2″	16	20
32A	1 1/4″	3″	260	280	150		570		1/2″	1/2″	17	25
40A	1 1/2″	4″	300	320	160		610		1/2″	1/2″	24	35
50A	2″	4″	300	320	160		610		1/2″	1/2″	30	40
65A	2 1/2″	4″	360	380	200		760		1/2″	1/2″	40	60
80A	3″	6″	360	380	200		760		1/2″	1/2″	50	80
100A	4″	8″	480	500	300		1140		1/2″	1/2″	80	130
125A	5″	10″	550	580	360		1370		1/2″	1/2″	110	190
150A	6″	10″	550	580	420		1600		1/2″	1/2″	130	210
200A	8″	12″	630	660	490		1860		1/2″	1/2″	200	310
250A	10″	14″	690	720	510		1940		3/4″	1/2″	240	390
300A	12″	16″	770	810	530		2010		3/4″	1/2″	360	570
350A	14″	18″	840	880	550		2090		3/4″	1/2″	460	750
400A	16″	20″	900	940	570		2170		3/4″	1/2″	570	940
450A	18″	22″	970	1000	590		2240		3/4″	1/2″	770	1280
500A	20″	24″	1120	1150	610		2320		3/4″	1/2″	1050	1650
550A	22″	26″	1100	1230	630		2390		1″	1/2″	1220	1960
600A	24″	28″	1110	1250	650		2470		1″	1/2″	1490	2420

※ Larger sizes and higher pressure classes available. Consult Factory.

Model BT, Bm, Bmn Bucket Fabricated Strainers



Bucket strainers (BT) are generally used with liquids and where regular or frequent cleaning is needed.

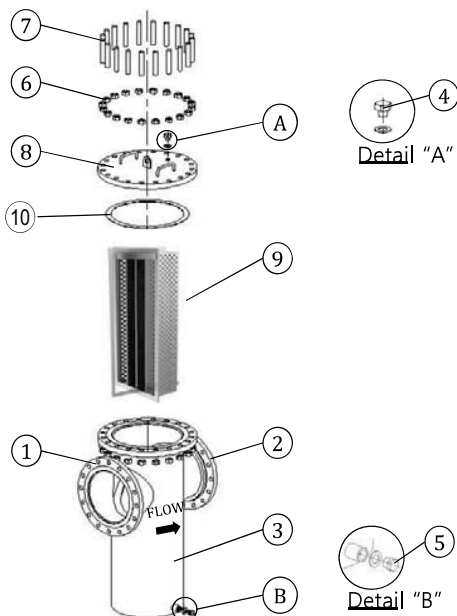
Bucket strainer is installed upright and the bucket is lifted out from the top. This makes it easier to use with gummy or sticky fluids or with large pipeline sizes where the filled bucket weight can be considerable. However, unlike a Y strainer, it also means that a bucket strainer has to be installed in a horizontal line.

Single bucket strainer is used where the line can be shut down for short periods to clean or change the bucket. It becomes an integral part of the pipeline and all flow passes through it.

BT type strainer has been developed to maximize the effective Filtering area to decrease the pressure drop. The long leaning interval and low maintenance requirement are big advantages of this type. Flange or BW connection is recommendable.

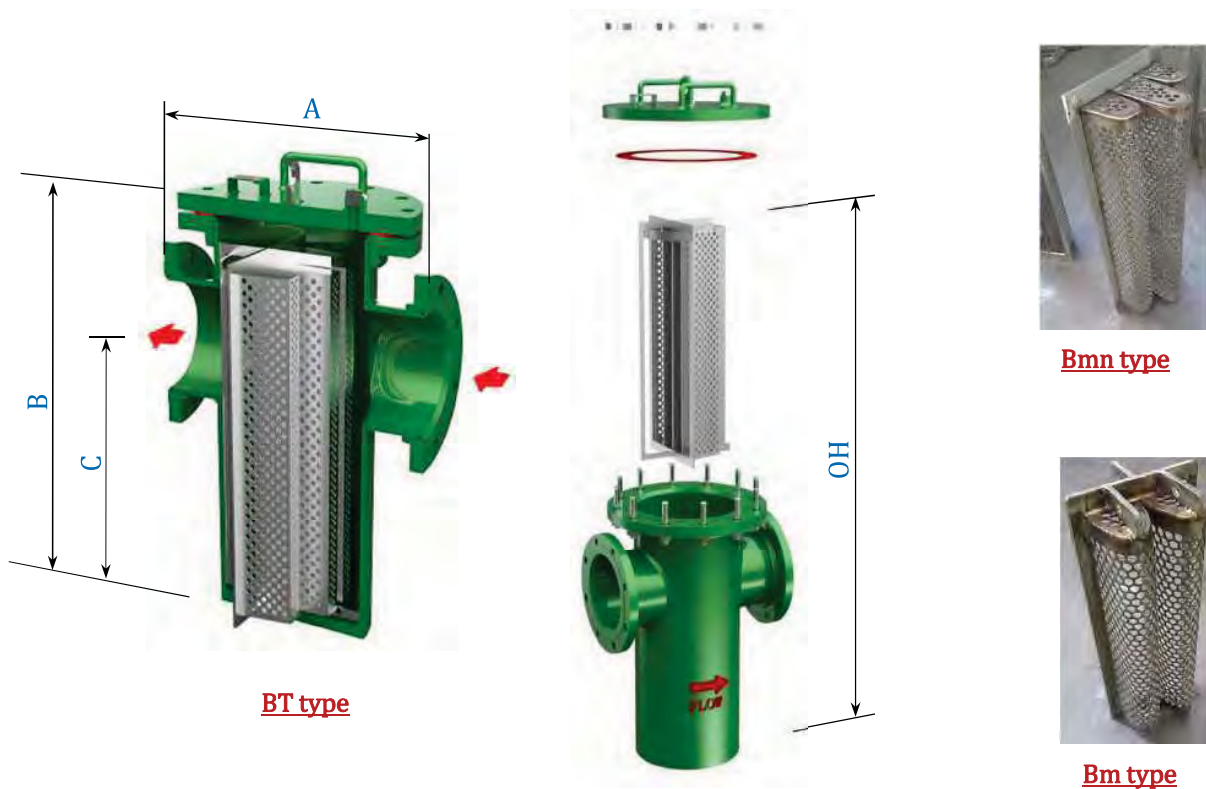
Specifications

Sizes:	1" to 40" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Vent Plug
5	Drain Plug
6	Hex Nut
7	Stud Bolt
8	Cover
9	Screen
10	Cover Gasket

Model **BT, Bm, Bmn** Bucket Fabricated Strainers



● DIMENSION TABLE

UNIT (mm)

Size		Body	A		B		C		OH		Drain / Vent	Net Weight (kg)	
A(mm)	Inch(″)	Inch(″)	#150	#300	#150	#300	#150	#300	#150	#300		#150	#300
25A	1″	3″	260	280	300		150		570		½″ / ½″	16	20
32A	1.25″	3″	260	280	300		150		570		½″ / ½″	17	25
40A	1.5″	4″	300	320	320		160		610		½″ / ½″	24	35
50A	2″	4″	300	320	320		160		610		½″ / ½″	30	40
65A	2.5″	6″	360	380	400		200		760		½″ / ½″	40	60
80A	3″	6″	360	380	400		200		760		½″ / ½″	50	80
100A	4″	8″	480	500	600		300		1140		½″ / ½″	80	130
125A	5″	10″	550	580	720		360		1370		½″ / ½″	110	190
150A	6″	10″	550	580	840		420		1600		½″ / ½″	130	210
200A	8″	12″	630	660	980		490		1860		½″ / ½″	200	310
250A	10″	14″	690	720	1020		510		1940		¾″ / ½″	240	390
300A	12″	16″	770	810	1060		530		2010		¾″ / ½″	360	570
350A	14″	18″	840	880	1100		550		2090		¾″ / ½″	460	750
400A	16″	20″	900	940	1140		570		2170		¾″ / ½″	570	940
450A	18″	22″	970	1000	1180		590		2240		¾″ / ½″	770	1280
500A	20″	24″	1120	1150	1220		610		2320		¾″ / ½″	1050	1650
550A	22″	26″	1100	1230	1260		630		2390		1″ / ½″	1220	1960
600A	24″	28″	1110	1250	1300		650		2470		1″ / ½″	1490	2420
650A	26″	32″	1200	1360	1400		700		2660		1″ / ¾″	1680	2730
700A	28″	34″	1300	1460	1500		750		2850		1 ½″ / ¾″	1740	2800
750A	30″	36″	1400	1570	1600		800		3040		1 ½″ / ¾″	2180	3560
800A	32″	38″	1500	1550	1700		850		3230		1 ½″ / ¾″	2460	3310
850A	34″	40″	1600	1660	1800		900		3420		2″ / ¾″	2740	3060
900A	36″	42″	1650	1710	1900		950		3610		2″ / ¾″	3190	4340
950A	38″	44″	1700	1760	2000		1000		3800		2″ / ¾″	3640	5620
1000A	40″	46″	1750	1810	2100		1050		3990		2″ / ¾″	3970	5860

※ Larger sizes and higher pressure classes available. Consult Factory.

Model BP, Bucket Fabricated Strainers

Bucket strainers(BP) are generally used with liquids and where regular or frequent cleaning is needed.

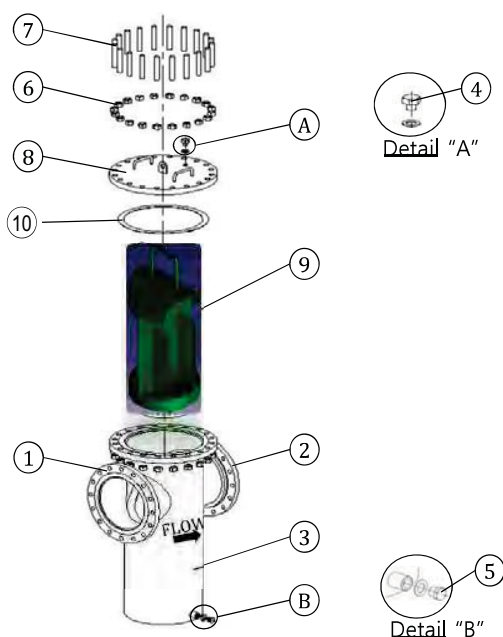
Bucket strainer is installed upright and the bucket is lifted out from the top. This makes it easier to use with gummy or sticky fluids or with large pipeline sizes where the filled bucket weight can be considerable. However, unlike a Y strainer, it also means that a bucket strainer has to be installed in a horizontal line.

Single bucket strainer is used where the line can be shut down for short periods to clean or change the bucket. It becomes an integral part of the pipeline and all flow passes through it. It is listed in Shell's specification, Filtering area is limited. Flange or BW connection is recommendable.



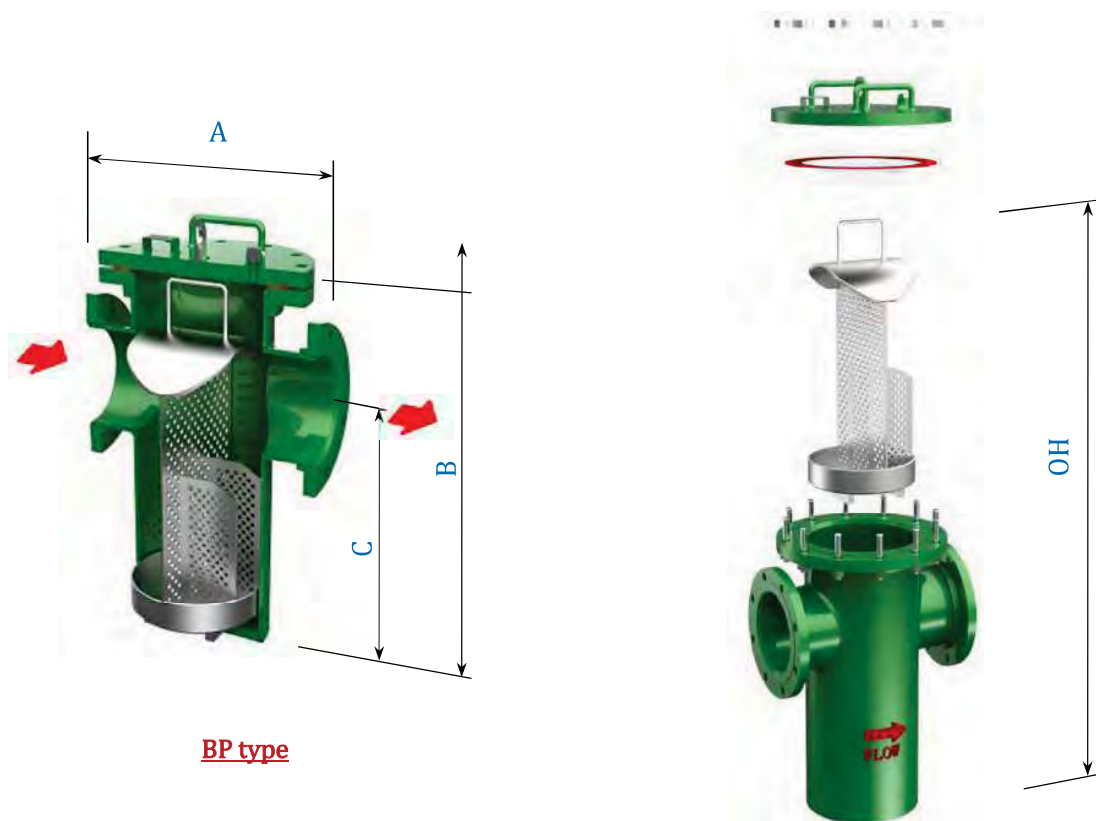
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Vent Plug
5	Drain Plug
6	Hex Nut
7	Stud Bolt
8	Cover
9	Screen
10	Cover Gasket

Model **BP**, Bucket Fabricated Strainers



● DIMENSION TABLE

UNIT (mm)

Size		A		C	B		OH	DRAIN	VENT	Weight (kg)	
A(mm)	Inch(″)	#150	#300		#150	#300				#150	#300
50A	2″	280	340	256	463	466	630	½″	½″	30	40
65A	2.5″	340	390	309	548	551	742	½″	½″	40	60
80A	3″	370	430	351	602	607	834	½″	½″	50	80
100A	4″	420	500	414	688	696	987	½″	½″	80	130
125A	5″	500	580	495	791	802	1163	½″	½″	110	190
150A	6″	510	600	555	861	872	1303	½″	½″	130	210
200A	8″	560	680	681	1028	1041	1610	½″	½″	200	310
250A	10″	610	760	759	1150	1168	1832	½″	½″	240	390
300A	12″	700	840	906	1348	1367	2214	½″	½″	360	570
350A	14″	750	900	1019	1494	1513	2472	1″	1″	460	750
400A	16″	800	980	1164	1672	1693	2797	1″	1″	570	940
450A	18″	900	1050	1329	1881	1902	3182	1″	1″	770	1280
500A	20″	1000	1100	1482	2150	2179	3535	1″	1″	1050	1650
550A	22″	1100	1131	1632	2368	2389	3915	1″	1″	1220	1960
600A	24″	1150	1182	1782	2552	2574	4275	1″	1″	1490	2420

※ Larger sizes and higher pressure classes available. Consult Factory.

Model B2, Bucket Fabricated Strainers

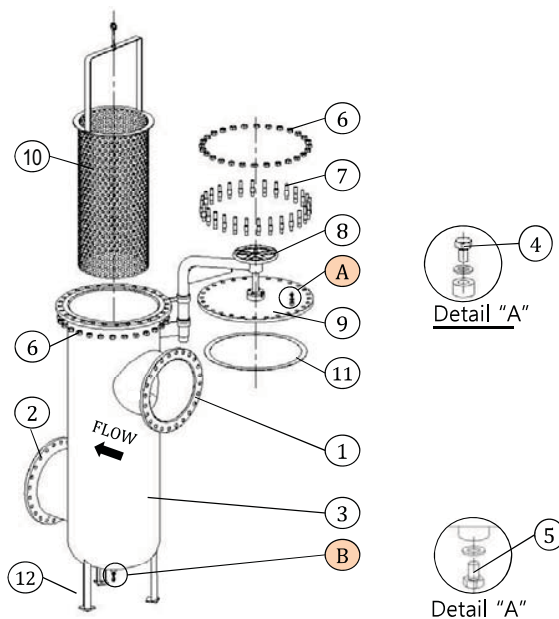
Bucket strainers(B2) are generally used with liquids and where regular or frequent cleaning is needed. Bucket strainer is installed upright and the bucket is lifted out from the top. This makes it easier to use with gummy or sticky fluids or with large pipeline sizes where the filled bucket weight can be considerable. However, unlike a Y strainer, it also means that a bucket strainer has to be installed in a horizontal line.

Single bucket strainer is used where the line can be shut down for short periods to clean or change the bucket. It becomes an integral part of the pipeline and all flow passes through it.

B2 type strainer has been widely used for long time and the arrangement inlet/outlet piping shall be matched with dimension table. Flange or BW connection is recommendable.

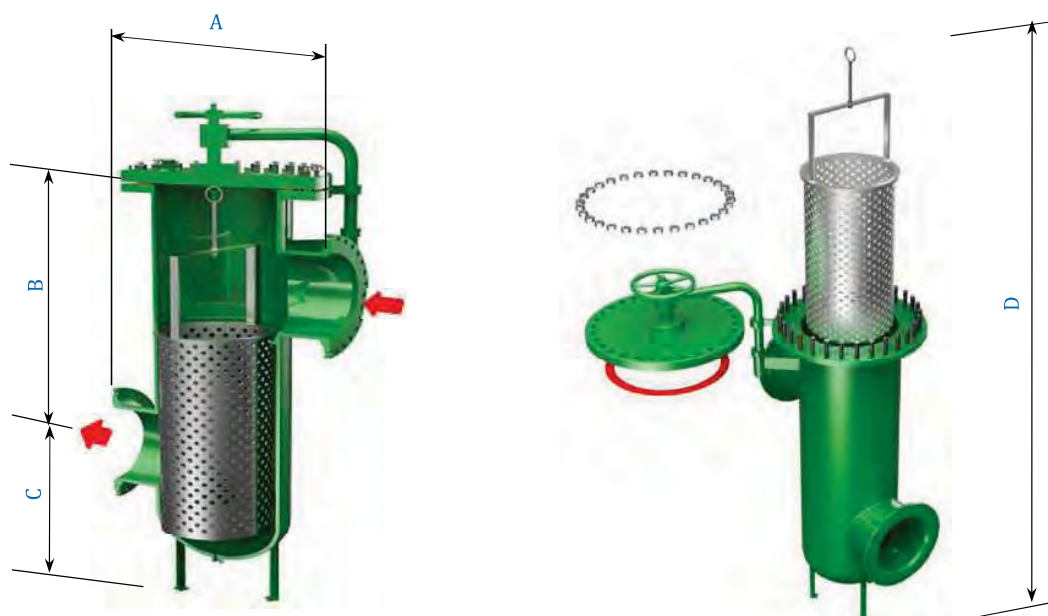
Specifications

Sizes:	1" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Vent Plug
5	Drain Plug
6	Hex Nut
7	Stud Bolt
8	Davit Handle
9	Cover
10	Screen
11	Cover Gasket
12	Leg

Model B2, Bucket Fabricated Strainers



B2 type

● DIMENSION TABLE

UNIT (mm)

Size		Body	A		B		C	OH	DRAIN VENT		Net Weight (kg)	
A(mm)	Inch(″)	Inch(″)	#150	#300	#150	#300					#150	#300
25A	1″	3″	230	249	337	356	150	473	½″	½″	16	20
32A	1.25″	3″	240	253	342	385	150	483	½″	½″	17	25
40A	1.5″	4″	260	276	367	391	160	533	½″	½″	24	35
50A	2″	4″	280	296	367	391	160	533	½″	½″	30	40
65A	2.5″	6″	340	359	440	467	200	633	½″	½″	40	60
80A	3″	6″	370	396	491	518	240	723	½″	½″	50	80
100A	4″	8″	420	449	575	608	300	873	½″	½″	80	130
125A	5″	10″	500	529	656	693	360	1028	½″	½″	110	190
150A	6″	10″	510	536	726	783	420	1168	½″	½″	130	210
200A	8″	12″	560	595	868	909	520	1448	½″	½″	200	310
250A	10″	14″	610	645	991	1022	600	1673	¾″	½″	240	390
300A	12″	16″	700	735	1183	1219	740	2048	¾″	½″	360	570
350A	14″	18″	750	788	1306	1356	830	2283	¾″	½″	460	750
400A	16″	20″	800	839	1470	1566	960	2593	¾″	½″	570	940
450A	18″	22″	900	944	1662	1722	1110	2963	¾″	½″	770	1280
500A	20″	24″	1000	1045	1926	1995	1250	3303	¾″	½″	1050	1650
550A	22″	26″	1100	1154	2147	2213	1410	3693	1″	½″	1220	1960
600A	24″	28″	1150	1198	2330	2408	1560	4053	1″	½″	1490	2420

※ Larger sizes and higher pressure classes available. Consult Factory.

Model DC, Duplex Casting Strainers

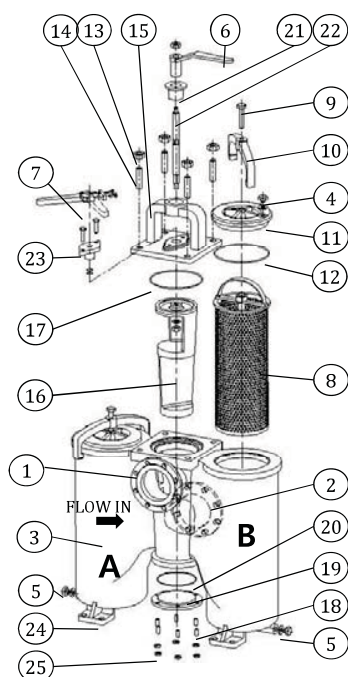
Cock Valve H Type is a simple, economical, and trouble free design... time tested in applications around the world over many years. This type of strainer is actually a high quality, pressure rated plug valve with integral straining Screens. Switching the flow from one Screen to the other

is accomplished by moving the operating handle through a 90 degree arc. The design is such that is impossible for this operation to stop the flow because of the unique port design in the diverter plug. The plug is automatically positioned each time in exactly the right spot by integral stops. DC type strainer has been widely used for long time and the arrangement inlet/outlet piping shall be matched with dimension table. Since the cock is weak against to corrosion, the non-corrosive material and low corrosive fluid shall be considered. High pressure service is not applicable. Flange or BW connection is recommendable.



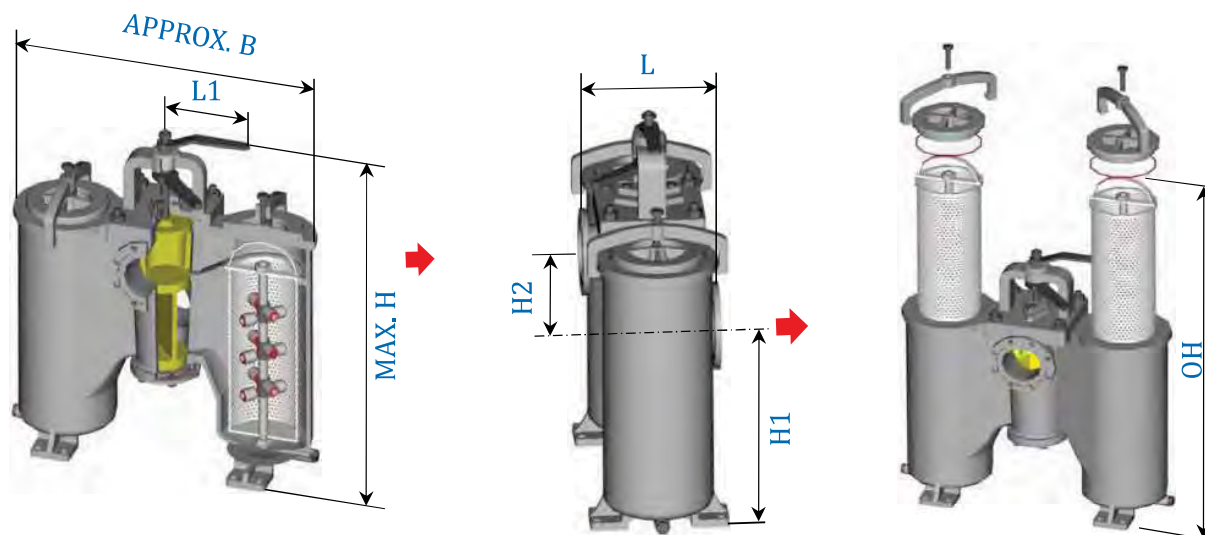
Specifications

Sizes:	1" to 12" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description	Item No.	Description
1	Body Inlet Flange	14	Stud Bolt
2	Body Outlet Flange	15	Upper Cock Cover
3	Body	16	Cock
4	Vent Plug	17	O-Ring
5	Drain Plug	18	Stud Bolt
6	Cock Lift Handle	19	Lower Cock Cover
7	Cock Chain Handle	20	O-Ring
8	Filter	21	Bushing
9	Yoke Bolt	22	Cock Shaft
10	Yoke	23	Packing Gland
11	Cover	24	Leg
12	O-Ring	25	Hex Nut
13	Hex Nut		

Model **DC**, Duplex Casting Strainers



DC type

● DIMENSION TABLE

UNIT (mm)

Size		L1	B	L	H1	H2	H	OH	Drain/Vent PLUG	Screen Size		Net Weight(kg)
A(mm)	Inch(″)									ø	h	
25A	1″	150	315	165	130	40	410	370	M20x1.5P	48	97	36
32A	1¼″	150	380	195	165	55	490	490	M20x1.5P	75	145	50
40A	1½″	150	380	195	165	55	490	490	M20x1.5P	75	145	50
50A	2″	150	415	180	219	66	516	610	M20x1.5P	95	215	60
65A	2½″	180	514	215	273	85	661	745	M20x1.5P	120	280	87
80A	3″	210	600	245	312	102	685	884	M20x1.5P	140	327	126
100A	4″	250	718	285	371	126	816	1052	M20x1.5P	165	398.5	191
125A	5″	300	852	330	431	157	952	1255	M24x2P	195	475	321
150A	6″	320	1046	410	516	201	1299	1538	M24x2P	225	570	566
200A	8″	380	1250	490	645	245	1520	1940	M24x2P	270	720	906
250A	10″	380	1600	570	695	370	1783	2466	M24x2P	300	850	1555
300A	12″	380	1900	700	695	370	1940	2780	M24x2P	340	830	1986

※ Larger sizes and higher pressure classes available. Consult Factory.

Model DH, Duplex Fabricated Strainers

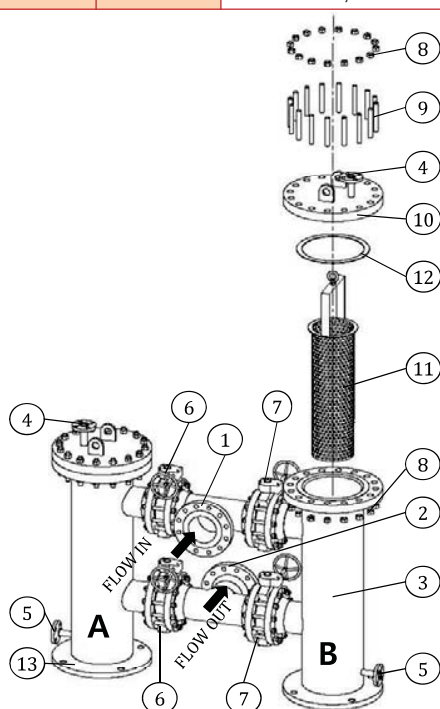


Butterfly Valve H Type is a simple, economical, and trouble free design... time tested in applications around the world over many years. This type of strainer is actually a high quality, pressure rated butterfly valve with integral straining Screens. switching the flow from one Screen to the other is accomplished by moving the operating handle through a 90 degree arc. The design is such that is impossible for this operation to stop the flow because of the unique port design in the diverter plug. The plug is automatically positioned each time in exactly the right spot by integral stops.

H type strainer has been widely used for long time and the arrangement inlet/outlet piping shall be matched with dimension table. Flange or BW connection is recommendable.

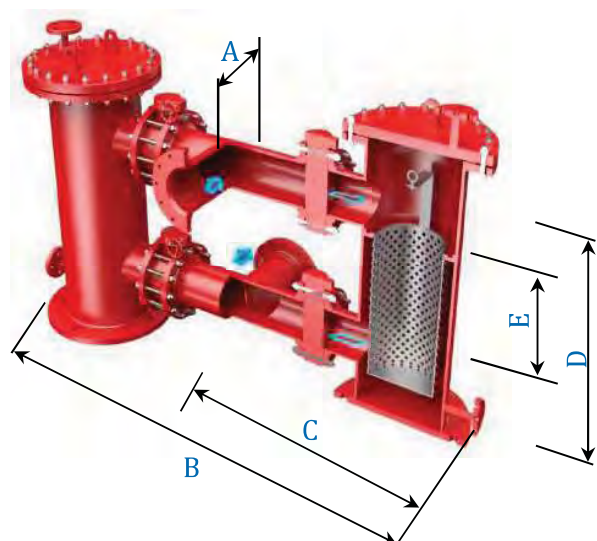
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

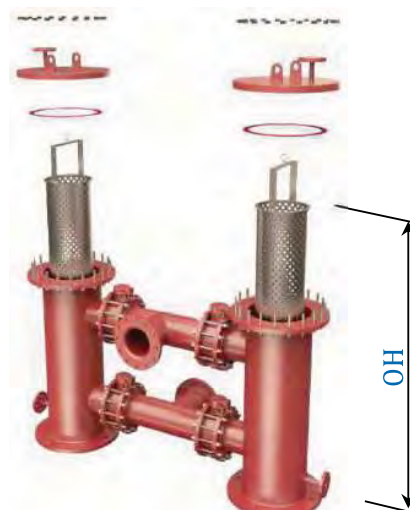


Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Air Vent Flange
5	Drain Flange
6	Butterfly Valve-A
7	Butterfly Valve-B
8	Hex Nut
9	Stud Bolt
10	Cover
11	Screen
12	Cover Gasket
13	Leg

Model **DH**, Duplex Fabricated Strainers



DH type



DHL type

❶ DIMENSION TABLE

UNIT (mm)

Size		Body	# 150/ #300					OH	Screen Size		Net Weight (kg)	
A(mm)	Inch(″)	Inch(″)	A	B	C	OH	E		ø	h	Cover	Unit
50	2″	4″	254	899	449	533	254	1066	70	400	12	127
80	3″	6″	311	972	486	584	254	1168	110	500	20	136
100	4″	8″	362	1146	573	699	279	1398	140	550	20	204
150	6″	10″	464	1394	697	813	330	1626	190	600	32	318
200	8″	12″	559	1635	818	940	381	1880	240	700	50	636
250	10″	14″	635	1880	959	1067	457	2134	260	800	82	840
300	12″	16″	737	2121	1062	1207	533	2414	300	920	100	1249
350	14″	18″	813	2327	1167	1321	584	2642	330	980	129	1816
400	16″	20″	864	2486	1230	1372	635	2744	370	1150	195	2406
450	18″	22″	965	2765	1392	1524	686	3048	410	1350	195	2679
500	20″	24″	1051	3140	1565	1651	737	3302	450	1520	438	3632
600	24″	28″	1168	3658	1956	1880	864	3760	530	1900	699	4086

※ Larger sizes and higher pressure classes available. Consult Factory.

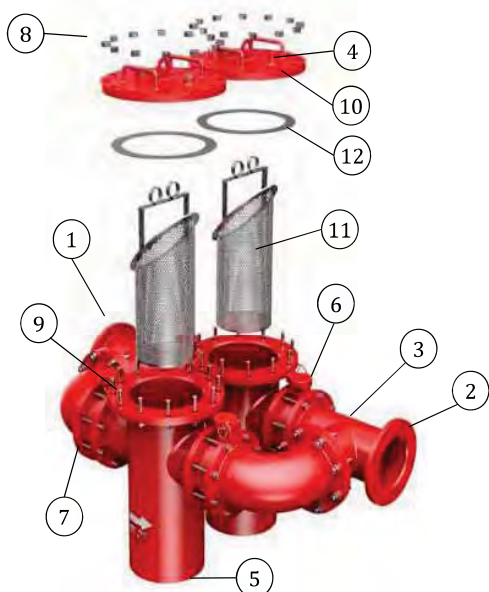
Model DD, Duplex Fabricated Strainers



Duplex Dual Type is a simple, economical, and trouble free design... time tested in applications around the world over many years. This type of strainer is actually a high quality, pressure rated plug valve with integral straining Screens. Switching the flow from one Screen to the other is accomplished by moving the operating handle through a 90 degree arc. The design is such that is impossible for this operation to stop the flow because of the unique port design in the diverter plug. The plug is automatically positioned each time in exactly the right spot by integral stops. The piping arrangement of inlet/outlet piping is convenient . Flange or BW connection is recommendable.

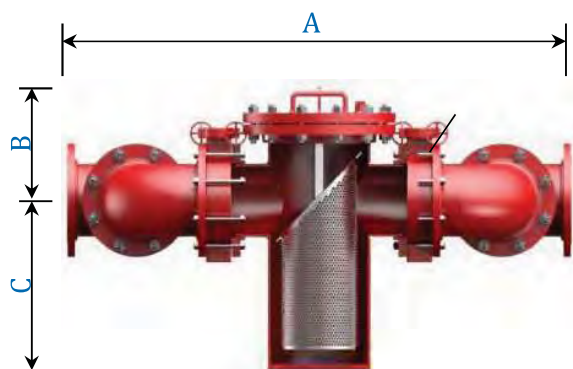
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet Flange
2	Body Outlet Flange
3	Body
4	Air Vent Flange
5	Drain Flange
6	Butterfly Valve-A
7	Butterfly Valve-B
8	Hex Nut
9	Stud Bolt
10	Cover
11	Screen
12	Cover Gasket

Model **DD**, Duplex Fabricated Strainers



DDL type



DDmn type



DD type



DDT type



DDm type

● DIMENSION TABLE

UNIT (mm)

Size		Body	# 150					Screen Size		Net Weight (kg)	
A(mm)	Inch(″)	Inch(″)	A	B	C	D	E	ø	h	Cover	Unit
50	2″	4″	856	254	152	225	562	70	130	8	81
80	3″	6″	1065	305	191	295	527	110	200	12	181
100	4″	8″	1194	330	184	270	537	140	250	12	237
150	6″	10″	1426	432	244	318	692	190	365	20	338
200	8″	12″	1706	533	278	495	918	240	465	32	658
250	10″	14″	1919	635	394	533	819	260	530	50	847
300	12″	16″	2302	711	397	559	1191	300	665	63	1297
350	14″	18″	2550	787	397	660	1178	330	750	82	2157
400	16″	20″	2774	864	400	762	1397	370	870	129	3153
450	18″	22″	3126	965	511	711	1518	410	1010	129	3421
500	20″	24″	3410	1041	600	813	1689	450	1150	195	4557
600	24″	28″	3801	1194	632	965	2007	530	1450	438	6747

※ Larger sizes and higher pressure classes available. Consult Factory.

Angle Flow Model T1b/T2b, T Strainers

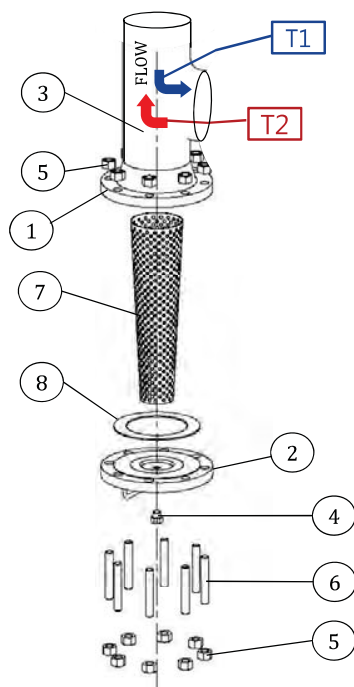


T-Type strainers(T1b/T2b) for angle flow type are installed 90° bend piping. The cylindrical element housed in the Body can be taken out to horizontal centerline by removing the Cover.

The type of strainer shall be selected T1 for in-mesh fluid direction or T2 for out-mesh fluid direction, End connection is BW.

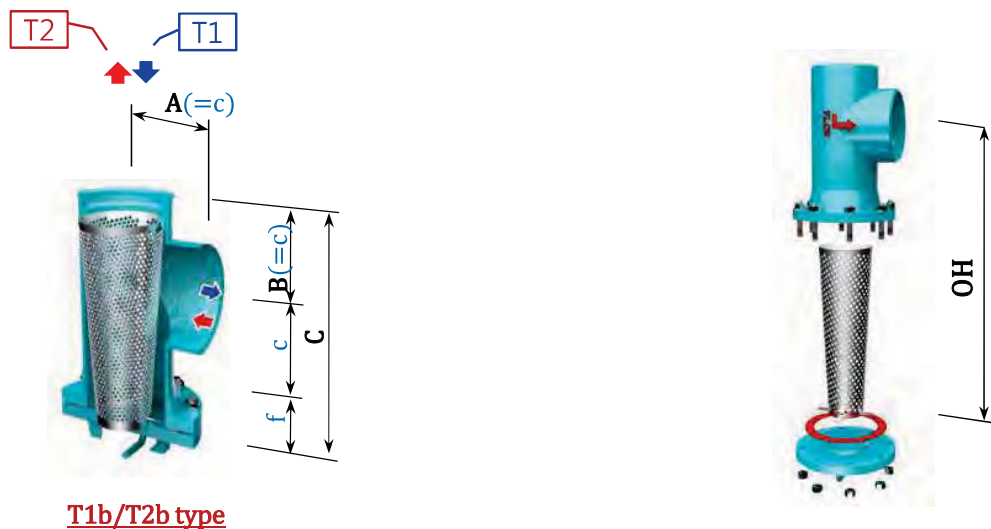
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : Φ2.0~Φ30.0, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Flange
2	Cover
3	Body
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Cover Gasket

Angle Flow Model T1b/T2b, T Strainers



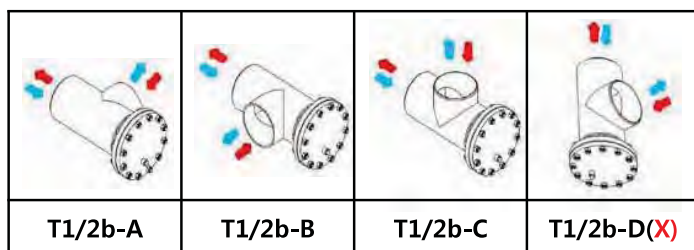
● DIMENSION TABLE

UNIT (mm)

Size		A (c)				B (c)				C(c+c+f)				OH(C+s)				Net Weight (kg)			
A(mm)	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	64	64	64	64	64	64	64	64	191	197	200	229	361	367	370	429	7	9	11	24
80A	3"	86	86	86	86	86	86	86	86	241	251	254	273	461	471	484	523	14	18	21	33
100A	4"	105	105	105	105	105	105	105	105	286	296	311	324	546	556	591	614	21	31	43	55
150A	6"	143	143	143	143	143	143	143	143	375	384	403	426	725	734	773	826	37	59	93	120
200A	8"	178	178	178	178	178	178	178	178	457	467	489	518	887	897	949	1008	62	97	145	200
250A	10"	216	216	216	216	216	216	216	216	533	549	584	616	1043	1069	1144	1206	96	154	248	313
300A	12"	254	254	254	254	254	254	254	254	622	638	663	708	1222	1248	1303	1388	140	220	320	430
350A	14"	279	279	279	279	279	279	279	279	686	702	724	772	1346	1372	1414	1512	180	290	380	510
400A	16"	305	305	305	305	305	305	305	305	737	756	787	826	1447	1476	1547	1616	230	370	530	970
450A	18"	343	343	343	343	343	343	343	343	826	845	870	914	1626	1655	1710	1794	290	470	670	870
500A	20"	381	381	381	381	381	381	381	381	907	924	953	953	1787	1814	1873	1873	370	590	850	1090
550A	22"	419	419	419	419	419	419	419	419	987	1003	1035	1035	1947	1973	2035	2035	430	650	900	1150
600A	24"	432	432	432	432	432	432	432	432	1016	1032	1067	1067	2006	2032	2107	2107	520	850	1200	1930
650A	26"	495	495			495	495			1111	1175			2201	2325			730	1120		
700A	28"	520	520			520	520			1166	1238			2306	2448			850	1340		
750A	30"	559	559			559	559			1254	1327			2484	2627			990	1560		
800A	32"	597	597			597	597			1338	1416			2648	2796			1230	1820		
850A	34"	635	635			635	635			1419	1502			2809	2972			1380	2090		
900A	36"	673	673			673	673			1503	1588			2983	3148			1610	2390		
950A	38"	711	711			711	711			1580	1603			3130	3173			1760	1970		
1000A	40"	749	749			749	749			1662	1692			3302	3352			1960	2290		
1050A	42"	762	762			762	762			1696	1724			3366	3414			2220	2540		
1100A	44"	813	813			813	813			1803	1832			3583	3632			2520	2890		
1150A	46"	851	851			851	851			1888	1918			3748	3808			2730	3260		
1200A	48"	889	889			889	889			1970	2002			3920	3982			3060	3610		

* Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



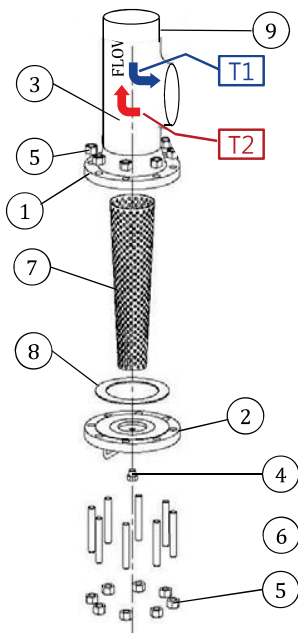
Angle Flow Long T1Pb/T2Pb, T - Strainers



T-Type strainers for angle flow type are installed 90Deg. bend piping. The cylindrical element housed in the Body can be taken out to horizontal centerline by removing the Cover. The type of strainer shall be selected T1 for in-mesh fluid direction or T2 for out-mesh fluid direction. The Filtering area is enlarged. End connection is BW.

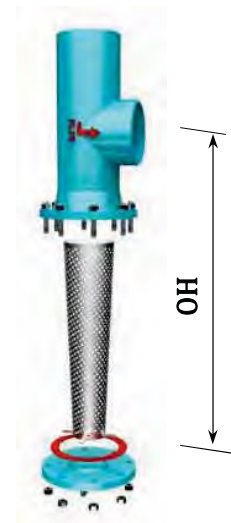
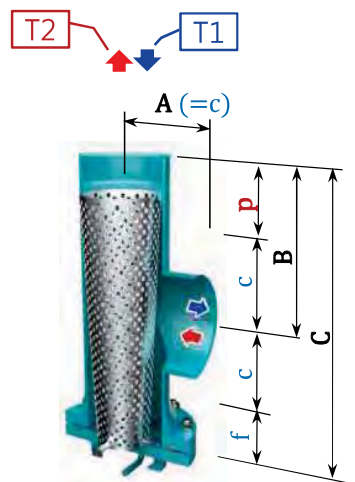
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.4kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Flange
2	Cover
3	Body
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Cover Gasket
9	Pipe

Angle Flow Long T1Pb/T2Pb, T - Strainers



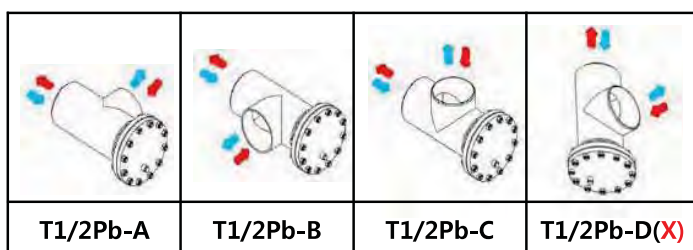
DIMENSION TABLE

UNIT (mm)

Size		A (c)				B (p+c)				C(p+c+c+f)				OH(C+s)				Net Weight (kg)				Pipe Length (mm)
A(mm)	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	
50A	2"	64	64	64	64	134	134	134	134	261	267	410	299	501	507	650	569	8	10	12	26	70
80A	3"	86	86	86	86	156	156	156	156	311	321	464	343	601	611	764	663	15	20	23	36	70
100A	4"	105	105	105	105	205	205	205	205	386	396	611	424	746	756	991	814	23	34	47	61	100
150A	6"	143	143	143	143	243	243	243	243	475	484	703	526	925	934	1173	1026	41	65	100	130	100
200A	8"	178	178	178	178	278	278	278	278	557	567	789	618	1087	1097	1349	1208	68	107	160	220	100
250A	10"	216	216	216	216	316	316	316	316	633	649	884	716	1243	1269	1544	1406	110	170	270	340	100
300A	12"	254	254	254	254	354	354	354	354	722	738	963	808	1422	1448	1703	1588	150	240	350	470	100
350A	14"	279	279	279	279	429	429	429	429	836	852	1174	922	1646	1672	2014	1812	200	320	420	560	150
400A	16"	305	305	305	305	455	455	455	455	887	906	1237	976	1747	1776	2147	1916	250	410	580	1070	150
450A	18"	343	343	343	343	493	493	493	493	976	995	1320	1064	1926	1955	2310	2094	320	520	740	960	150
500A	20"	381	381	381	381	581	581	581	581	1107	1124	1553	1153	2187	2214	2673	2273	410	650	940	1200	200
550A	22"	419	419	419	419	619	619	619	619	1187	1203	1635	1235	2347	2373	2835	2435	470	720	990	1270	200
600A	24"	432	432	432	432	732	732	732	732	1316	1332	1967	1367	2606	2632	3307	2707	570	940	1320	2120	300
650A	26"	495	495			795	795			1411	1475			2801	2925			800	1230			300
700A	28"	520	520			820	820			1466	1538			2906	3048			940	1470			300
750A	30"	559	559			959	959			1654	1727			3284	3427			1090	1720			400
800A	32"	597	597			997	997			1738	1816			3448	3596			1350	2000			400
850A	34"	635	635			1035	1035			1819	1902			3609	3772			1520	2300			400
900A	36"	673	673			1073	1073			1903	1988			3783	3948			1770	2630			400
950A	38"	711	711			1111	1111			1980	2003			3930	3973			1940	2170			400
1000A	40"	749	749			1249	1249			2162	2192			4302	4352			2160	2520			500
1050A	42"	762	762			1262	1262			2196	2224			4366	4414			2440	2790			500
1100A	44"	813	813			1313	1313			2303	2332			4583	4632			2770	3180			500
1150A	46"	851	851			1351	1351			2388	2418			4748	4808			3000	3590			500
1200A	48"	889	889			1389	1389			2470	2502			4920	4982			3370	3970			500

<Product install direction>

※ Larger sizes and higher pressure classes available. Consult Factory.



(Incorrect)

Angle Flow Model T1w/T2w, T - Strainers

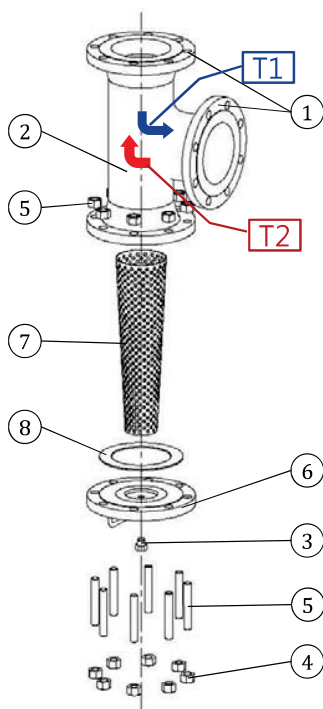
T-Type strainers for angle flow type are installed 90Deg. bend piping. The cylindrical element housed in the Body can be taken out to horizontal centerline by removing the Cover.

The type of strainer shall be selected T1 for in-mesh fluid direction or T2 for out-mesh fluid direction, End connection is Flanged.



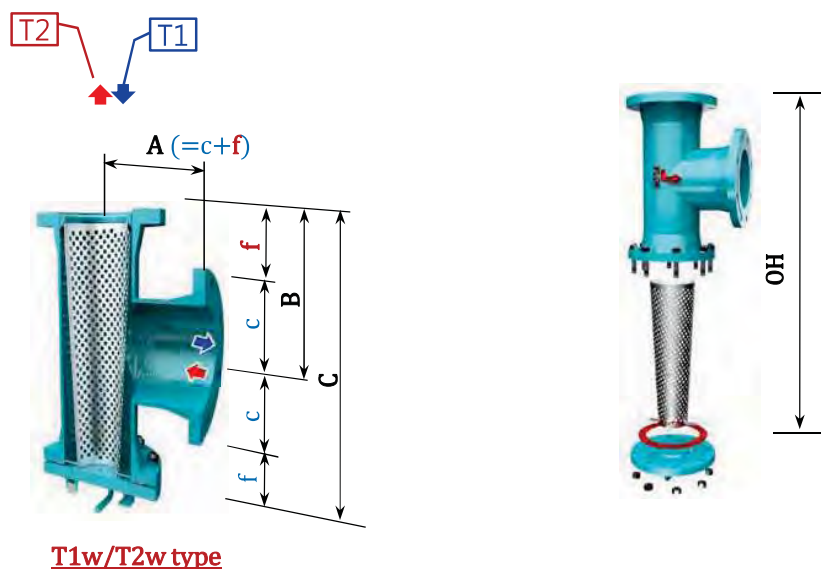
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : Φ2.0~Φ30.0, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Cover Gasket

Angle Flow Model T1w/T2w, T Strainers



● DIMENSION TABLE

UNIT (mm)

Size		A (c+f)				B (c+f)				C(f+c+c+f)				OH(C+s)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	127	133	137	165	127	133	137	165	381	407	420	533	551	577	590	733	13	15	20	46
80A	3"	156	165	168	187	156	165	168	187	451	488	502	578	671	708	732	828	24	33	38	63
100A	4"	181	191	206	219	181	191	206	219	514	553	616	667	774	813	896	957	36	54	77	100
150A	6"	232	242	260	283	232	242	260	283	641	680	755	845	991	1030	1125	1245	60	99	170	220
200A	8"	279	289	311	340	279	289	311	340	762	801	889	1004	1192	1231	1349	1494	100	160	250	360
250A	10"	318	333	368	400	318	333	368	400	838	901	1041	1169	1348	1421	1601	1759	150	240	420	550
300A	12"	368	384	409	454	368	384	409	454	965	1028	1130	1309	1565	1638	1770	1989	220	350	520	750
350A	14"	406	422	445	492	406	422	445	492	1067	1130	1219	1410	1727	1800	1909	2150	290	470	620	880
400A	16"	432	451	483	521	432	451	483	521	1118	1194	1321	1473	1828	1914	2081	2263	360	600	890	1210
450A	18"	483	502	527	572	483	502	527	572	1245	1321	1423	1600	2045	2131	2263	2480	440	750	1100	1490
500A	20"	526	543	572	572	526	543	572	572	1340	1410	1524	1524	2220	2300	2444	2444	550	920	1380	1840
550A	22"	568	584	616	616	568	584	616	616	1435	1499	1625	1626	2395	2469	2625	2626	650	1020	1450	1950
600A	24"	584	600	635	635	584	600	635	635	1473	1536	1676	1676	2463	2536	2716	2716	760	1320	1940	3300
650A	26"	616	680			616	680			1473	1727			2563	2877			1000	1660		
700A	28"	646	717			646	717			1543	1828			2683	3038			1160	2010		
750A	30"	696	768			696	768			1664	1956			2894	3256			1350	2350		
800A	32"	741	819			741	819			1772	2083			3082	3463			1690	2730		
850A	34"	784	867			784	867			1868	2196			3258	3666			1870	3130		
900A	36"	830	914			830	914			1975	2311			3455	3871			2190	3540		
950A	38"	868	892			868	892			2051	2146			3601	3716			2420	2600		
1000A	40"	913	943			913	943			2153	2273			3793	3933			2660	3060		
1050A	42"	934	962			934	962			2210	2325			3880	4015			3030	3400		
1100A	44"	991	1019			991	1019			2337	2450			4117	4250			3420	3850		
1150A	46"	1037	1067			1037	1067			2445	2565			4305	4455			3700	4380		
1200A	48"	1081	1113			1081	1113			2546	2673			4496	4653			4130	4860		

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>

T1/2w-A	T1/2w-B	T1/2w-C	T1/2w-D(X)

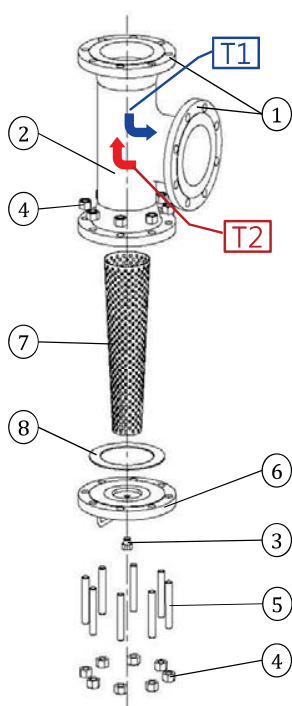
Angle Flow Model T1Pw/T2Pw, T Strainers



T-Type strainers for angle flow type are installed 90Deg. bend piping. The cylindrical element housed in the Body can be taken out to horizontal centerline by removing the Cover.
The type of strainer shall be selected T1 for in-mesh fluid direction or T2 for out-mesh fluid direction. The Filtering area is enlarged. End connection is BW.

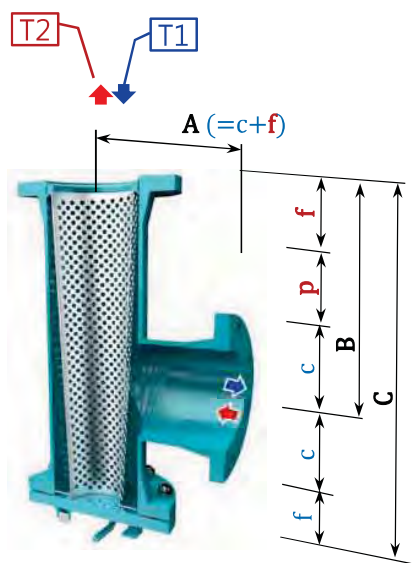
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain : Socket + Screw, Flange Conn.	• Drain : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Cover Gasket

Angle Flow Model **T1Pw/T2Pw**, T Strainers



T1Pw/T2Pw type



● DIMENSION TABLE

UNIT (mm)

Size		A (c+f)				B (c+p+f)				C (f+c+c+p+f)				OH (C+s)				Net Weight (kg)				Pipe Length (mm)
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	
50A	2"	127	133	137	165	197	203	207	235	451	477	490	603	621	647	660	803	7	10	12	26	70
80A	3"	156	165	168	187	226	235	238	257	521	558	572	648	741	778	802	898	15	19	22	35	70
100A	4"	181	191	206	219	281	291	306	319	614	653	716	767	874	913	996	1057	22	33	46	59	100
150A	6"	232	242	260	283	332	342	360	383	741	780	855	945	1091	1130	1225	1345	40	63	100	130	100
200A	8"	279	289	311	340	379	389	411	440	862	901	989	1104	1292	1331	1449	1594	66	100	160	210	100
250A	10"	318	333	368	400	418	433	468	500	938	1001	1141	1269	1448	1521	1701	1859	100	160	270	330	100
300A	12"	368	384	409	454	468	484	509	554	1065	1128	1230	1409	1665	1738	1870	2089	150	240	340	460	100
350A	14"	406	422	445	492	556	572	595	642	1217	1280	1369	1560	1877	1950	2059	2300	190	310	410	550	150
400A	16"	432	451	483	521	582	601	633	671	1268	1344	1471	1623	1978	2064	2231	2413	250	400	570	840	150
450A	18"	483	502	527	572	633	652	677	722	1395	1471	1573	1750	2195	2281	2413	2630	310	500	720	930	150
500A	20"	526	543	572	572	726	743	772	772	1540	1610	1724	1724	2420	2500	2644	2644	400	630	910	1170	200
550A	22"	568	584	616	616	768	784	816	816	1635	1699	1825	1826	2595	2669	2825	2826	460	700	960	1230	200
600A	24"	584	600	635	635	884	900	935	935	1773	1836	1976	1976	2763	2836	3016	3016	560	910	1280	2070	300
650A	26"	616	680			916	980			1773	2027			2863	3177			780	1200			300
700A	28"	646	717			946	1017			1843	2128			2983	3338			910	1430			300
750A	30"	696	768			1096	1168			2064	2356			3294	3656			1060	1670			400
800A	32"	741	819			1141	1219			2172	2483			3482	3863			1320	1950			400
850A	34"	784	867			1184	1267			2268	2596			3658	4066			1480	2240			400
900A	36"	830	914			1230	1314			2375	2711			3855	4271			1720	2560			400
950A	38"	868	892			1268	1292			2451	2546			4001	4116			1880	2110			400
1000A	40"	913	943			1413	1443			2653	2773			4293	4433			2100	2450			500
1050A	42"	934	962			1434	1462			2710	2825			4380	4515			2380	2720			500
1100A	44"	991	1019			1491	1519			2837	2950			4617	4750			2700	3090			500
1150A	46"	1037	1067			1537	1567			2945	3065			4805	4955			2920	3490			500
1200A	48"	1081	1113			1581	1613			3046	3173			4996	5153			3270	3860			500

* Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>

T1/2Pw-A	T1/2Pw-B	T1/2Pw-C	T1/2Pw-D(X)

Straight Flow Model T3Rb, T Strainers

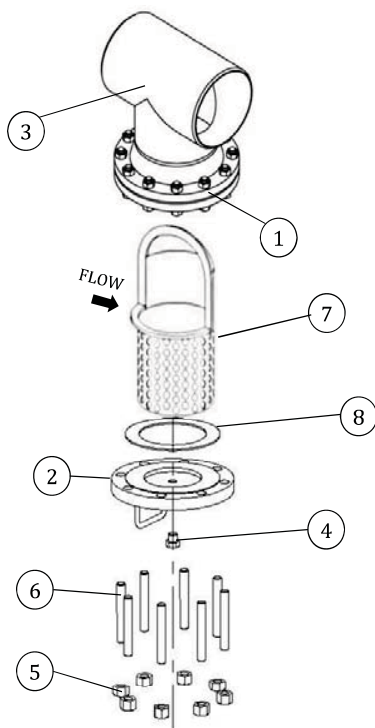


T-Type strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover. End connection is BW.



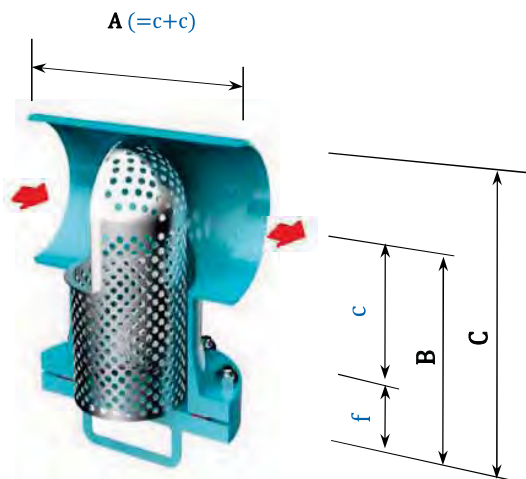
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain : Socket + Screw, Flange Conn.	• Drain : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Flange
2	Cover
3	Body
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Cover Gasket

Straight Flow Model T3Rb, T Strainers



T3Rb type



T3L type

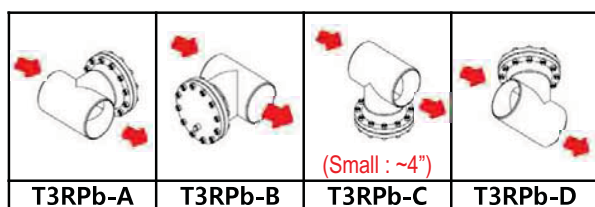
① DIMENSION TABLE

UNIT (mm)

Size		a(c+c)				B (c+f)				C (c+f+1/2d)				OH(C*2)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	127	127	127	127	127	133	137	165	157	164	167	195	314	327	334	391	7	9	11	24
80A	3"	171	171	171	171	156	165	168	187	200	209	213	232	400	419	426	464	14	18	21	33
100A	4"	210	210	210	210	181	191	206	219	238	248	264	276	476	496	527	553	21	31	43	55
150A	6"	286	286	286	286	232	242	260	283	316	326	344	367	632	651	689	734	37	59	93	120
200A	8"	356	356	356	356	279	289	311	340	389	399	421	449	778	797	842	899	62	97	145	200
250A	10"	432	432	432	432	318	333	368	400	454	470	505	537	908	940	1010	1073	96	154	248	313
300A	12"	508	508	508	508	368	384	409	454	530	546	571	616	1061	1092	1143	1232	140	220	320	430
350A	14"	559	559	559	559	406	422	445	492	584	600	622	670	1168	1200	1245	1340	180	290	380	510
400A	16"	610	610	610	610	432	451	483	521	634	653	685	723	1268	1307	1370	1446	230	370	530	770
450A	18"	686	686	686	686	483	502	527	572	710	729	755	799	1421	1459	1510	1598	290	470	670	870
500A	20"	762	762	762	762	526	543	572	572	779	796	825	825	1557	1592	1649	1649	370	590	850	1090
550A	22"	838	838	838	838	568	584	616	616	847	863	894	894	1693	1725	1788	1789	430	650	900	1150
600A	24"	864	864	864	864	584	600	635	635	888	904	939	939	1776	1807	1877	1877	520	850	1200	1930

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



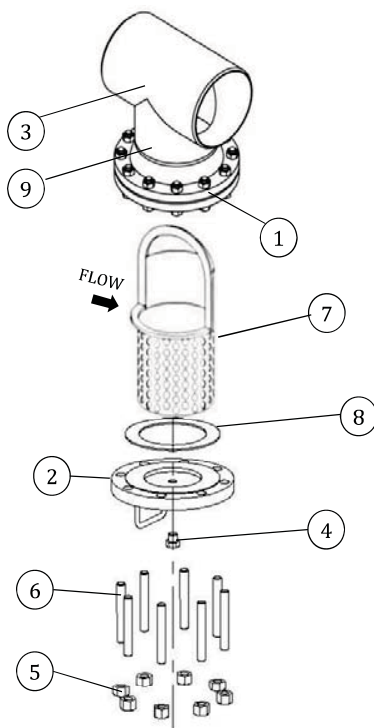
Straight Flow Model T3RPb, T - Strainers



T-Type strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover.
The Filtering area is enlarged. End connection is BW.

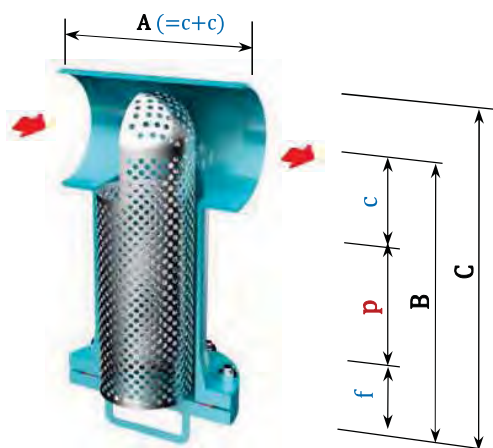
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain : Socket + Screw, Flange Conn.	• Drain : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

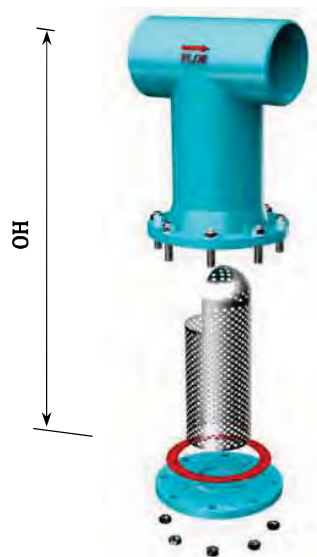


Item No.	Description
1	Flange
2	Cover
3	Body
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Cover Gasket
9	Pipe

Straight Flow Model **T3RPb**, T - Strainers



T3RPb type



T3L type

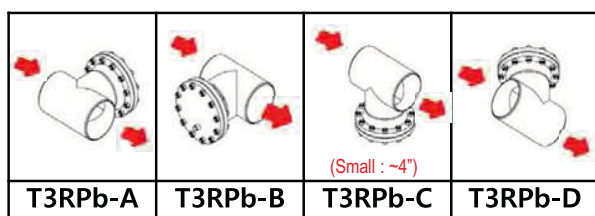
● DIMENSION TABLE

UNIT (mm)

Size		a(c+c)				B (c+p+f)				C (c+f+1/2d)				OH(C*2)				Net Weight (kg)				Pipe Length (mm)
mm	Inch	#150	#300	#600	#900	#150	300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	
50A	2"	127	127	127	127	197	203	207	235	227	234	237	265	454	467	474	531	8	10	12	26	70
80A	3"	171	171	171	171	226	235	238	257	270	279	283	302	540	559	566	604	15	20	23	36	70
100A	4"	210	210	210	210	281	291	306	319	338	348	364	376	676	696	727	753	23	34	47	61	100
150A	6"	286	286	286	286	332	342	360	383	416	426	444	467	832	851	889	934	41	65	100	130	100
200A	8"	356	356	356	356	379	389	411	440	489	499	521	549	978	997	1042	1099	68	110	160	220	100
250A	10"	432	432	432	432	418	433	468	500	554	570	605	637	1108	1140	1210	1273	110	170	270	340	100
300A	12"	508	508	508	508	468	484	509	554	630	646	671	716	1261	1292	1343	1432	150	240	350	470	100
350A	14"	559	559	559	559	556	572	595	642	734	750	772	820	1468	1500	1545	1640	200	320	420	560	150
400A	16"	610	610	610	610	582	601	633	671	784	803	835	873	1568	1607	1670	1746	250	410	580	850	150
450A	18"	686	686	686	686	633	652	677	722	860	879	905	949	1721	1759	1810	1898	320	520	740	960	150
500A	20"	762	762	762	762	726	743	772	772	979	996	1025	1025	1957	1992	2049	2049	410	650	940	1200	200
550A	22"	838	838	838	838	768	784	816	816	1047	1063	1094	1094	2093	2125	2188	2189	470	720	990	1270	200
600A	24"	864	864	864	864	884	900	935	935	1188	1204	1239	1239	2376	2407	2477	2477	570	940	1320	2120	300

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



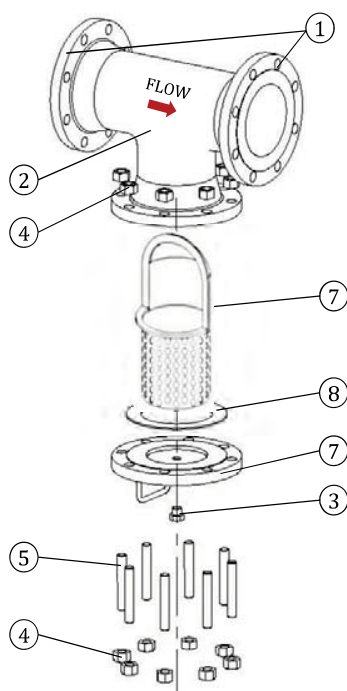
Straight Flow Model T3Rw, T-Strainers

Tee strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover. End connection is flange.



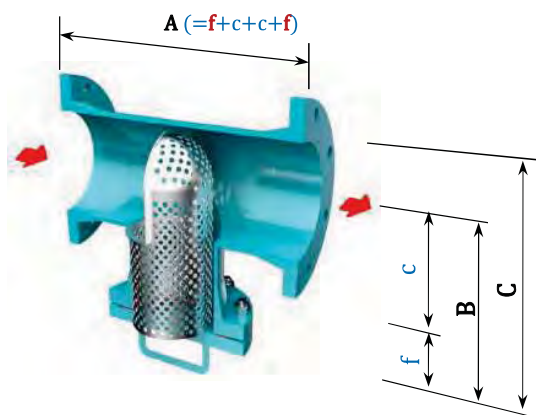
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain : Socket + Screw, Flange Conn.	• Drain : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

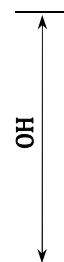


Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Cover Gasket

Straight Flow Model **T3Rw**, T Strainers



T3Rw type



T3L type

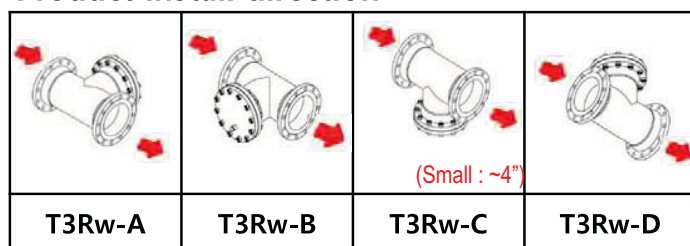
● DIMENSION TABLE

UNIT (mm)

Size		a(f+c+c+f)				B (c+p+f)				C (B+1/2d)				OH(C*2)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	254	267	273	330	197	203	207	235	227	204	238	270	454	409	477	540	14	16	21	48
80A	3"	311	330	337	375	226	235	238	257	270	236	273	297	540	473	547	594	25	35	40	66
100A	4"	362	381	413	438	281	291	306	319	338	293	345	362	676	585	689	724	38	57	81	110
150A	6"	464	483	520	565	332	342	360	383	416	345	405	432	832	689	809	864	63	100	180	230
200A	8"	559	578	622	680	379	389	411	440	489	393	462	496	978	786	924	991	110	170	260	380
250A	10"	635	666	737	800	418	433	468	500	554	438	519	559	1108	876	1038	1118	160	250	440	580
300A	12"	737	768	819	908	468	484	509	554	630	490	567	619	1261	980	1133	1238	230	370	550	790
350A	14"	813	844	889	985	556	572	595	642	734	579	658	714	1468	1158	1316	1427	300	490	650	920
400A	16"	864	902	965	1041	582	601	633	671	784	609	696	744	1568	1218	1392	1488	380	630	930	1270
450A	18"	965	1003	1054	1143	633	652	677	722	860	661	747	801	1721	1321	1494	1602	460	790	1160	1560
500A	20"	1051	1086	1143	1143	726	743	772	772	979	753	844	853	1957	1506	1688	1705	580	970	1450	1930
550A	22"	1137	1168	1232	1232	768	784	816	816	1047	795	891	899	2093	1590	1781	1797	680	1070	1520	2050
600A	24"	1168	1200	1270	1270	884	900	935	935	1188	912	1011	1019	2376	1824	2022	2038	800	1390	2040	3470

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



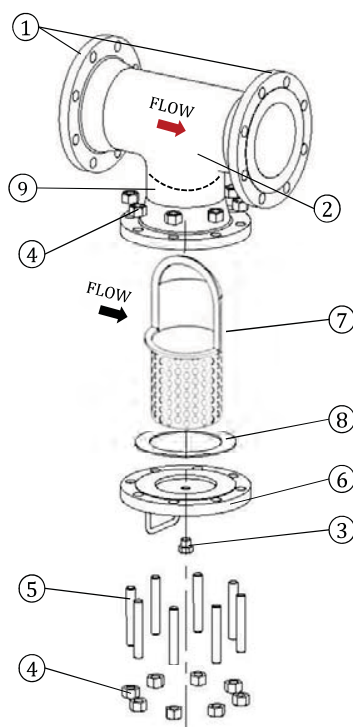
Straight Flow Model T3RPw, T Strainers

T-Type strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover. The Filtering area is enlarged. End connection is flange.



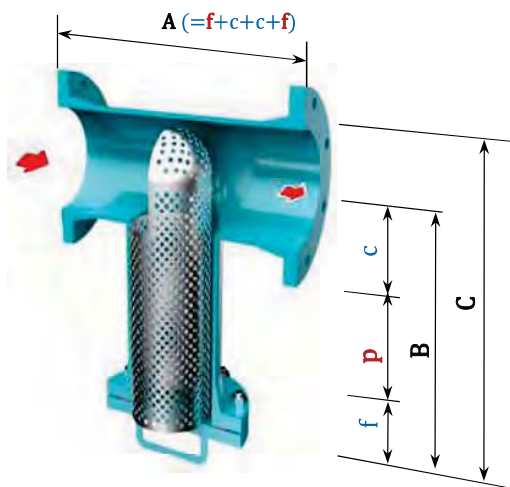
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Cover Gasket
9	Pipe

Straight Flow T3RPw, T - Strainers



T3RPw type



T3L type

● DIMENSION TABLE

UNIT (mm)

Size		a(f+c+c+f)				B (c+p+f)				C (B+1/2d)				OH(C*2)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	254	267	273	330	197	203	207	235	227	204	238	270	454	409	477	540	14	16	21	48
80A	3"	311	330	337	375	226	235	238	257	270	236	273	297	540	473	547	594	25	35	40	66
100A	4"	362	381	413	438	281	291	306	319	338	293	345	362	676	585	689	724	38	57	81	110
150A	6"	464	483	520	565	332	342	360	383	416	345	405	432	832	689	809	864	63	100	180	230
200A	8"	559	578	622	680	379	389	411	440	489	393	462	496	978	786	924	991	110	170	260	380
250A	10"	635	666	737	800	418	433	468	500	554	438	519	559	1108	876	1038	1118	160	250	440	580
300A	12"	737	768	819	908	468	484	509	554	630	490	567	619	1261	980	1133	1238	230	370	550	790
350A	14"	813	844	889	985	556	572	595	642	734	579	658	714	1468	1158	1316	1427	300	490	650	920
400A	16"	864	902	965	1041	582	601	633	671	784	609	696	744	1568	1218	1392	1488	380	630	930	1270
450A	18"	965	1003	1054	1143	633	652	677	722	860	661	747	801	1721	1321	1494	1602	460	790	1160	1560
500A	20"	1051	1086	1143	1143	726	743	772	772	979	753	844	853	1957	1506	1688	1705	580	970	1450	1930
550A	22"	1137	1168	1232	1232	768	784	816	816	1047	795	891	899	2093	1590	1781	1797	680	1070	1520	2050
600A	24"	1168	1200	1270	1270	884	900	935	935	1188	912	1011	1019	2376	1824	2022	2038	800	1390	2040	3470

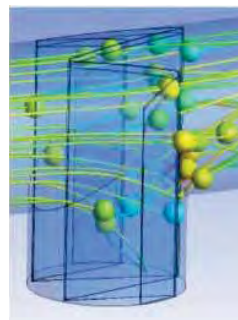
※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>

T3RPw-A	T3RPw-B	T3RPw-C	T3RPw-D

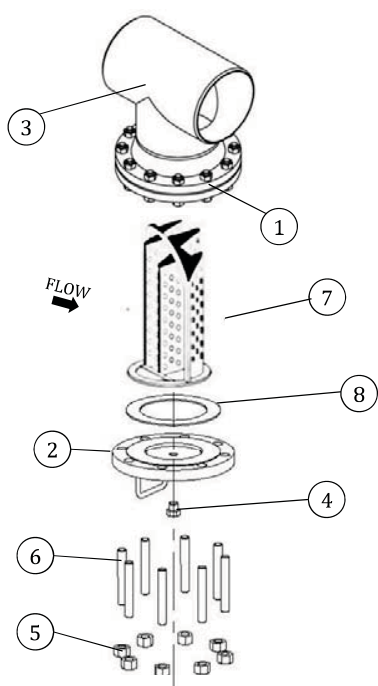
Straight Flow T3mnb/T3mmb, T-Strainers

T-Type strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover. The Filtering area is enlarged by corrugated screen. End connection is BW.



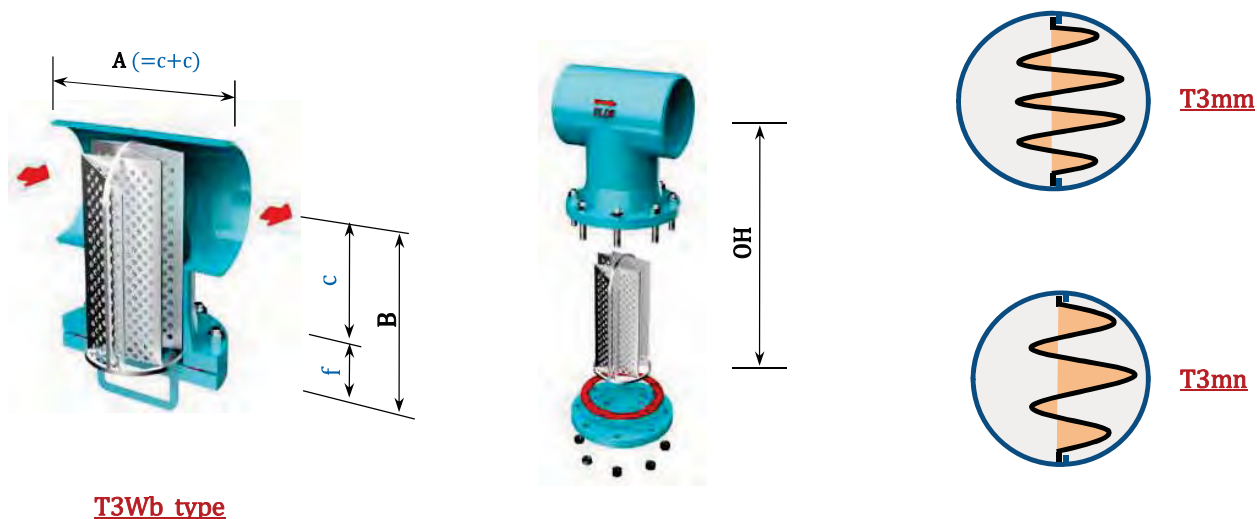
Specifications

Sizes:	6" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : Φ2.0~Φ30.0, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Flange
2	Cover
3	Body
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Cover Gasket

Straight Flow T3mmb/T3mnb, T - Type STR.



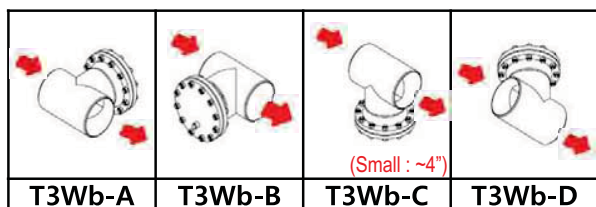
① DIMENSION TABLE

UNIT (mm)

Size		a(c+c)				B (c+f)				C (c+f+1/2d)				OH(C*2)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
150A	6"	286	286	286	286	232	242	260	283	316	326	344	367	632	651	689	734	37	59	93	120
200A	8"	356	356	356	356	279	289	311	340	389	399	421	449	778	797	842	899	62	97	145	200
250A	10"	432	432	432	432	318	333	368	400	454	470	505	537	908	940	1010	1073	96	154	248	313
300A	12"	508	508	508	508	368	384	409	454	530	546	571	616	1061	1092	1143	1232	140	220	320	430
350A	14"	559	559	559	559	406	422	445	492	584	600	622	670	1168	1200	1245	1340	180	290	380	510
400A	16"	610	610	610	610	432	451	483	521	634	653	685	723	1268	1307	1370	1446	230	370	530	770
450A	18"	686	686	686	686	483	502	527	572	710	729	755	799	1421	1459	1510	1598	290	470	670	870
500A	20"	762	762	762	762	526	543	572	572	779	796	825	825	1557	1592	1649	1649	370	590	850	1090
550A	22"	838	838	838	838	568	584	616	616	847	863	894	894	1693	1725	1788	1789	430	650	900	1150
600A	24"	864	864	864	864	584	600	635	635	888	904	939	939	1776	1807	1877	1877	520	850	1200	1930
650A	26"	991	991			616	680			945	1008			1890	2017			730	1120		
700A	28"	1041	1041			646	717			1000	1071			2000	2143			850	1340		
750A	30"	1118	1118			696	768			1075	1148			2150	2296			990	1560		
800A	32"	1194	1194			741	819			1146	1224			2292	2448			1230	1820		
850A	34"	1270	1270			784	867			1215	1297			2429	2593			1380	2090		
900A	36"	1346	1346			830	914			1286	1370			2571	2740			1610	2390		
950A	38"	1422	1422			868	892			1349	1373			2698	2745			1760	1970		
1000A	40"	1499	1499			913	943			1419	1449			2838	2898			1960	2290		
1050A	42"	1524	1524			934	962			1440	1468			2879	2936			2220	2540		
1100A	44"	1626	1626			991	1019			1497	1525			2993	3050			2520	2890		
1150A	46"	1702	1702			1037	1067			1644	1674			3288	3348			2730	3260		
1200A	48"	1778	1778			1081	1113			1715	1746			3429	3493			3060	3610		

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



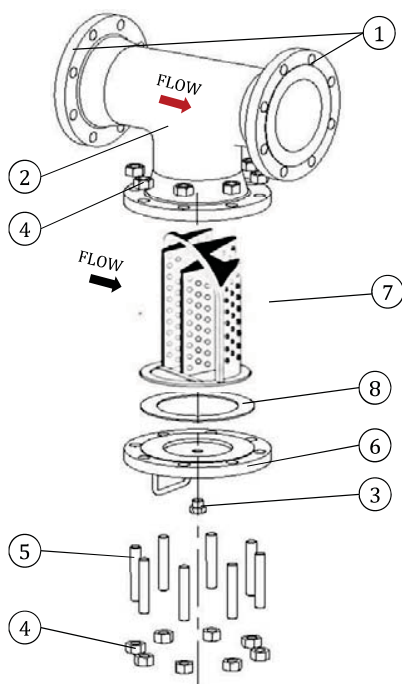
Straight Flow T3mnw/T3mmw, T - STR.

T-Type strainer with straight flow type is applicable to straight line. The screen is removable to open the Cover. The Filtering area is enlarged by corrugated screen. End connection is flange.



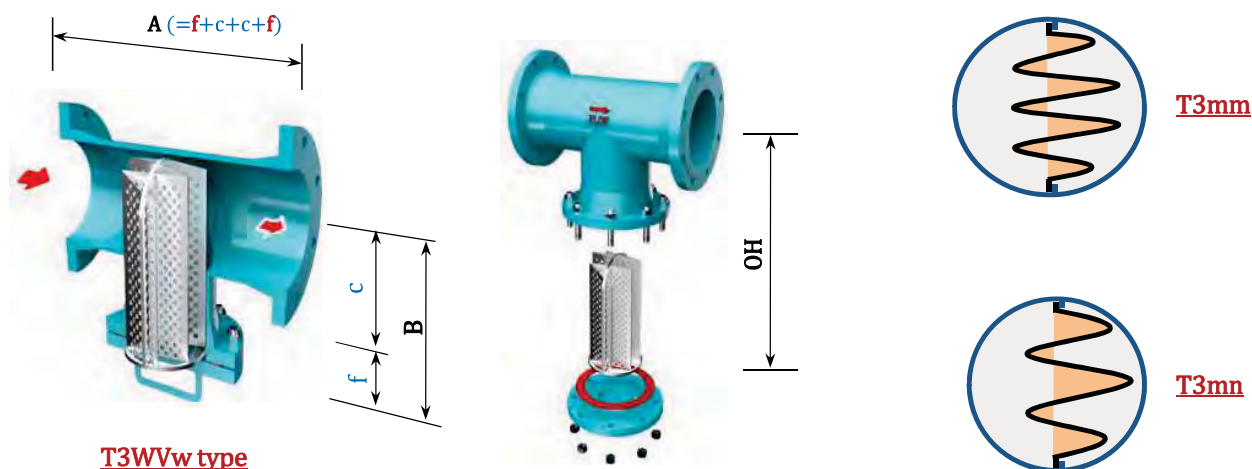
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Cover Gasket

Straight Flow T3mmw/T3mnw, T-Strainers



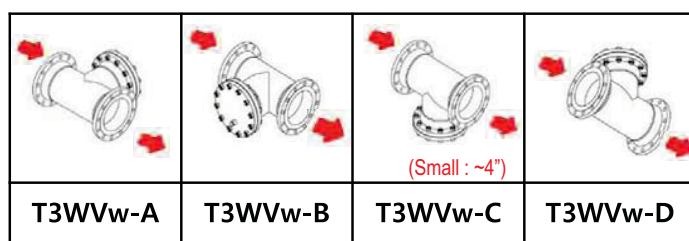
● DIMENSION TABLE

UNIT (mm)

Size		A(f+c+c+f)				B (c+f)				C (c+f+1/2d)				OH(C*2)				Net Weight (kg)			
mm	Inch	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900	#150	#300	#600	#900
50A	2"	254	267	273	330	127	133	137	165	227	234	237	265	454	467	474	531	13	15	20	46
80A	3"	311	330	337	375	156	165	168	187	270	279	283	302	540	559	566	604	24	33	38	63
100A	4"	362	381	413	438	181	191	206	219	338	348	364	376	676	696	727	753	36	54	77	100
150A	6"	464	483	520	565	232	242	260	283	416	426	444	467	832	851	889	934	60	99	170	220
200A	8"	559	578	622	680	279	289	311	340	489	499	521	549	978	997	1042	1099	100	160	250	360
250A	10"	635	666	737	800	318	333	368	400	554	570	605	637	1108	1140	1210	1273	150	240	420	550
300A	12"	737	768	819	908	368	384	409	454	630	646	671	716	1261	1292	1343	1432	220	350	520	750
350A	14"	813	844	889	985	406	422	445	492	734	750	772	820	1468	1500	1545	1640	290	470	620	880
400A	16"	864	902	965	1041	432	451	483	521	784	803	835	873	1568	1607	1670	1746	360	600	890	1210
450A	18"	965	1003	1054	1143	483	502	527	572	860	879	905	949	1721	1759	1810	1898	440	750	1100	1490
500A	20"	1051	1086	1143	1143	526	543	572	572	979	996	1025	1025	1957	1992	2049	2049	550	920	1380	1840
550A	22"	1137	1168	1232	1232	568	584	616	616	1047	1063	1094	1094	2093	2125	2188	2189	650	1020	1450	1950
600A	24"	1168	1200	1270	1270	584	600	635	635	1188	1204	1239	1239	2376	2407	2477	2477	760	1320	1940	3300
650A	26"	1232	1359			616	680			1245	1308			2490	2617			1000	1660		
700A	28"	1292	1434			646	717			1300	1371			2600	2743			1160	2010		
750A	30"	1391	1537			696	768			1475	1548			2950	3096			1350	2350		
800A	32"	1483	1638			741	819			1546	1624			3092	3248			1690	2730		
850A	34"	1569	1733			784	867			1615	1697			3229	3393			1870	3130		
900A	36"	1661	1829			830	914			1686	1770			3371	3540			2190	3540		
950A	38"	1737	1784			868	892			1749	1773			3498	3545			2420	2600		
1000A	40"	1826	1886			913	943			1919	1949			3838	3898			2660	3060		
1050A	42"	1867	1924			934	962			1940	1968			3879	3936			3030	3400		
1100A	44"	1981	2038			991	1019			1997	2025			3993	4050			3420	3850		
1150A	46"	2073	2134			1037	1067			2144	2174			4288	4348			3700	4380		
1200A	48"	2162	2226			1081	1113			2215	2246			4429	4493			4130	4860		

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



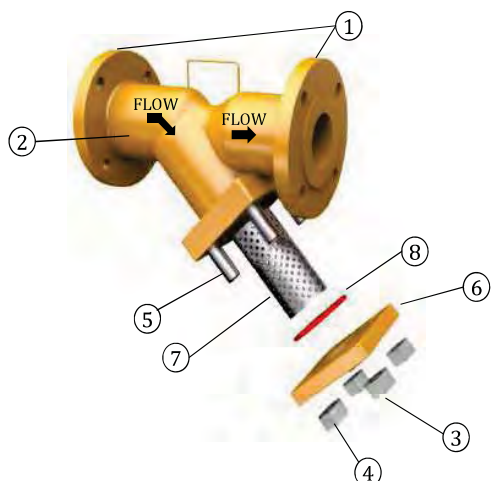
Forged Model YFs/YFf/YFb, Y Strainers



Y Strainers for Forged take their name from their configuration. They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the screen, and without interrupting the process flow. End connection is socket welding, flange or BW or Screw.

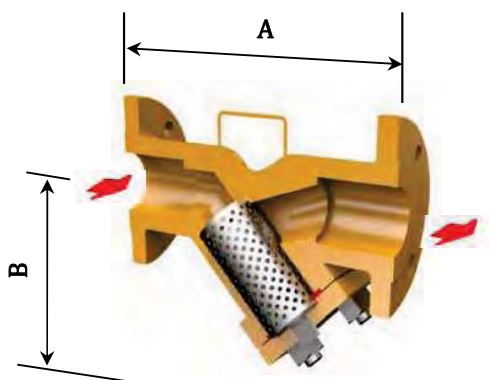
Specifications

Sizes:	½" to 2" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : Φ2.0~Φ30.0, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

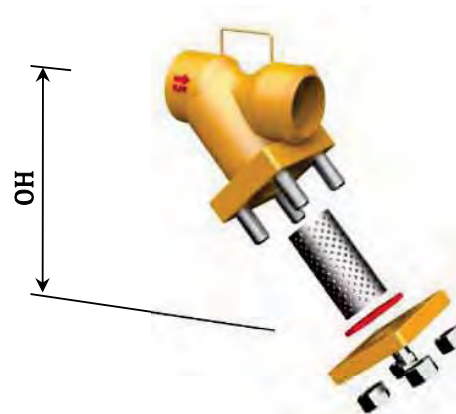


Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Gasket

Forged Model YFs/YFf/YFb, Y Strainers



YFw type



YFb type

● DIMENSION TABLE

UNIT (mm)

Size		# 150							# 300							# 600						
		L		B	OH	Net Weight (kg)			L		H	OH	Net Weight (kg)			L		H	OH	Net Weight (kg)		
		a	A			BW	FLN		a	A			BW	FLN		a	A			BW	FLN	
15A	½"	98	178	120	195	3	4		98	178	120	195	3	4		98	180	120	195	3	5	
20A	¾"	98	187	120	195	3	4		98	187	120	195	3	4		98	190	120	195	3	5	
25A	1"	120	209	120	195	6	8		120	209	120	195	6	8		120	216	120	195	6	10	
32A	1 ¼"	140	228	130	215	6	8		140	228	130	215	6	8		140	248	130	215	6	10	
40A	1 ½"	140	228	130	215	9	13		140	228	130	215	9	13		140	248	130	215	9	18	
50A	2"	170	278	150	244	9	13		170	278	150	244	9	13		170	288	150	244	9	18	

<Product install direction>

YF-A	YF-B	YF-C	YF-D

Casting Model YC, Y Strainers

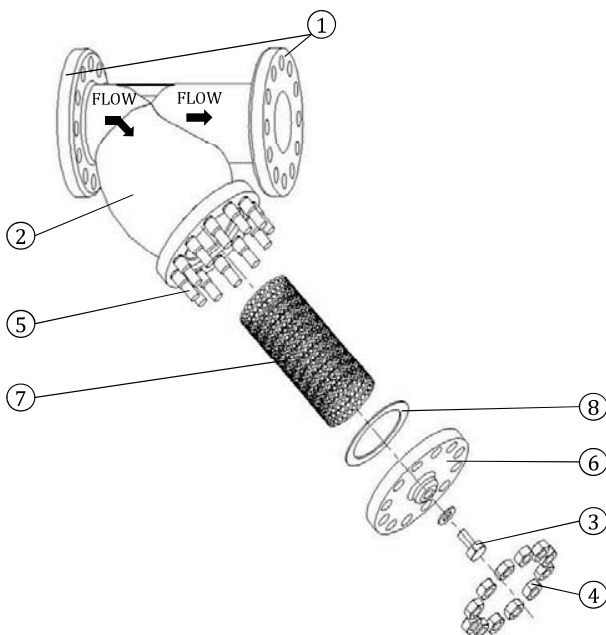


Y Strainers for casting take their name from their configuration. They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the screen, and without interrupting the process flow. End connection is BW or flange.



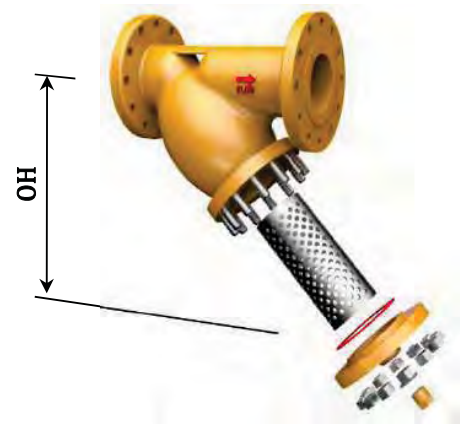
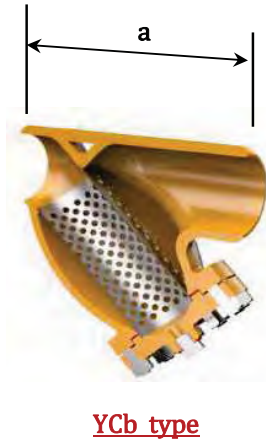
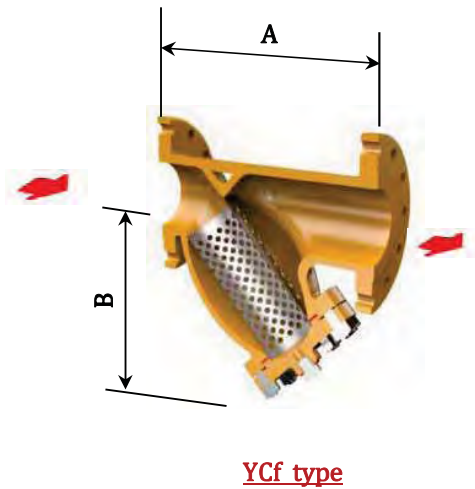
Specifications

Sizes:	½" to 12" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : Φ2.0~Φ30.0, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body Inlet/Outlet Flange
2	Body
3	Drain Plug
4	Hex Nut
5	Stud Bolt
6	Cover
7	Screen
8	Gasket

Casting Model **YC**, Y Strainers



● DIMENSION TABLE

UNIT (mm)

Size		# 150				# 300			
A (mm)	Inch (")	A	B	OH	Weight (kg)	A	B	OH	Weight (kg)
15A	½"	180	120	195	7.5	180	120	195	8.5
20A	¾"	180	120	195	8	180	120	195	10
25A	1"	180	120	195	9	180	120	195	12
32A	1¼"	218	130	215	12	248	130	215	15
40A	1½"	218	130	215	13	248	130	215	18
50A	2"	255	150	244	14	260	150	244	19
65A	2½"	280	200	337	24	320	200	337	27
80A	3"	322	230	393	31	360	230	393	38
100A	4"	348	265	439	38	410	265	439	54
125A	5"	394	310	523	56	434	310	523	80
150A	6"	442	340	586	71	515	340	586	104
200A	8"	590	520	913	145	620	480	830	193
250A	10"	680	580	976	203	715	580	976	277
300A	12"	775	660	1175	373	775	660	1175	471

Size		JIS-5K				JIS-10K			
A (mm)	Inch (")	A	B	OH	Weight (kg)	A	B	OH	Weight (kg)
15A	½"	180	120	195	7.5	180	120	195	9
20A	¾"	180	120	195	8	180	120	195	10
25A	1"	180	120	195	9	180	120	195	12
32A	1¼"	218	130	215	12	218	130	215	15
40A	1½"	218	130	215	13	218	130	215	16
50A	2"	255	150	244	14	255	150	244	18
65A	2½"	280	200	337	23	280	200	337	28
80A	3"	322	230	393	30	322	230	393	33
100A	4"	348	265	439	37	348	265	439	40
125A	5"	394	310	523	55	394	310	523	62
150A	6"	442	340	586	70	442	340	586	78
200A	8"	590	520	913	143	590	520	913	149
250A	10"	680	580	976	200	680	580	976	210
300A	12"	775	660	1175	368	775	660	1175	378

※ Larger sizes and higher pressure classes available. Consult Factory.

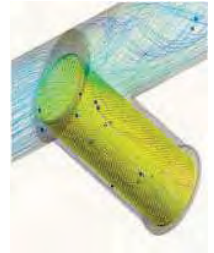
<Product install direction>

YC-A	YC-B	YC-C	YC-D

Fabricated Model Y45, Y Strainers

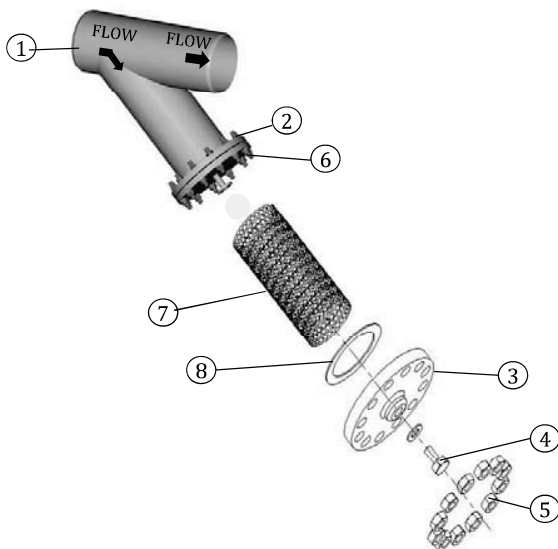


Y Strainers for steel plate take their name from their configuration. They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the screen, and without interrupting the process flow. This type strainer has been widely used for long time and it is recommendable to adopt in low fluid velocity. For the high velocity application, Y60R type is recommendable. End connection is flange or BW.



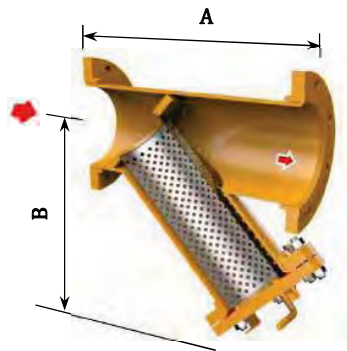
Specifications

Sizes:	2" to 48" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body
2	Body Flange
3	Cover
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Gasket

Fabricated Model Y45, Y Strainers



Y45s type



Y45b type



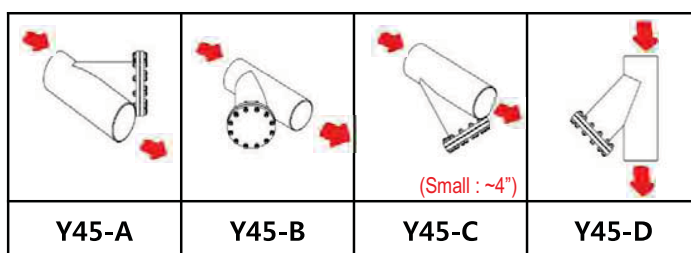
● DIMENSION TABLE

UNIT (mm)

Size		a=C*2		A=(a+f+f)		B(M+F)		OH(M*2)		Net Weight (kg)		Net Weight (kg)	
A(mm)	Inch(″)	BW		FLGD END		FLGD & BW		FLGD & BW		BW		FLGD END	
		#150	#300	#150	#300	#150	#300	#150	#300	#150	#300	#150	#300
50A	2″	127	127	254	267	254	267	508	534	7	9	13	16
80A	3″	171	171	311	330	311	330	622	660	14	20	26	36
100A	4″	210	210	362	381	362	381	724	763	22	33	38	58
150A	6″	286	286	464	483	464	483	927	966	38	63	64	106
200A	8″	356	356	559	578	559	578	1,118	1,156	66	104	109	171
250A	10″	432	432	635	666	635	666	1,270	1,333	100	165	154	261
300A	12″	508	508	737	768	737	768	1,473	1,536	150	236	238	378
350A	14″	559	559	813	844	813	844	1,626	1,688	194	312	308	507
400A	16″	610	610	864	902	864	902	1,727	1,804	245	399	387	647
450A	18″	686	686	965	1,003	965	1,003	1,930	2,007	300	500	465	804
500A	20″	762	762	1,051	1,086	1,051	1,086	2,102	2,172	382	627	579	995
550A	22″	838	838	1,137	1,168	1,137	1,168	2,273	2,337	440	689	681	1,095
600A	24″	864	864	1,168	1,200	1,168	1,200	2,337	2,400	541	905	809	1,423
650A	26″	991	991	1,232	1,359	1,232	1,359	2,464	2,718	761	1,185	1,060	1,789
700A	28″	1,041	1,041	1,292	1,434	1,292	1,434	2,583	2,869	883	1,422	1,228	2,166
750A	30″	1,118	1,118	1,391	1,537	1,391	1,537	2,782	3,074	1031	1,659	1,431	2,528
800A	32″	1,194	1,194	1,483	1,638	1,483	1,638	2,966	3,277	1264	1,920	1,768	2,923
850A	34″	1,270	1,270	1,569	1,733	1,569	1,733	3,138	3,466	1407	2,196	1,946	3,339
900A	36″	1,346	1,346	1,661	1,829	1,661	1,829	3,321	3,658	1664	2,523	2,303	3,795
950A	38″	1,422	1,422	1,737	1,784	1,737	1,784	3,474	3,568	1832	2,059	2,550	2,752
1000A	40″	1,499	1,499	1,826	1,886	1,826	1,886	3,652	3,771	2034	2,406	2,807	3,244
1050A	42″	1,524	1,524	1,867	1,924	1,867	1,924	3,734	3,849	2322	2,678	3,210	3,626
1100A	44″	1,626	1,626	1,981	2,038	1,981	2,038	3,962	4,076	2627	3,036	3,615	4,089
1150A	46″	1,702	1,702	2,073	2,134	2,073	2,134	4,146	4,267	2858	3,436	3,916	4,668
1200A	48″	1,778	1,778	2,162	2,226	2,162	2,226	4,324	4,451	3198	3,809	4,381	5,186

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>

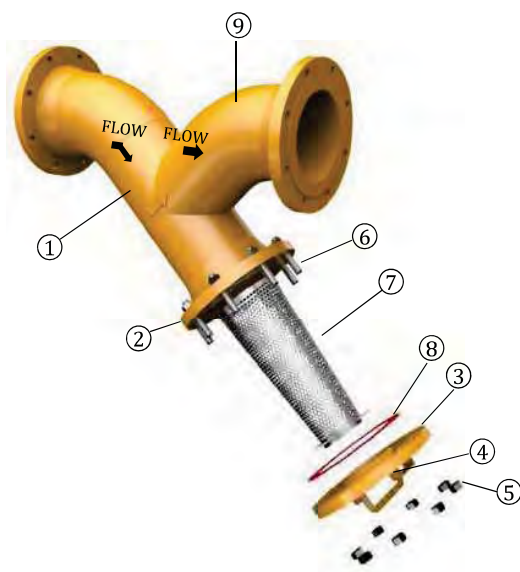


Fabricated Model Y90, Y Strainers

Y Strainers for steel plate take their name from their configuration. They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the screen, and without interrupting the process flow. End connection is flange or BW.

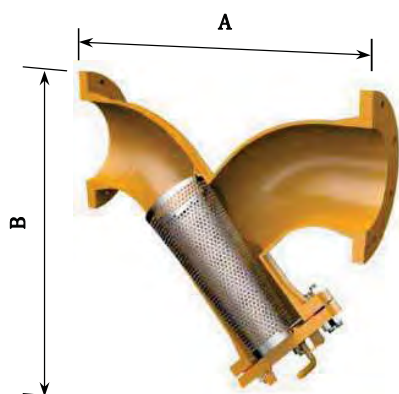
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body
2	Body Flange
3	Cover
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Gasket
9	Body Elbow

Fabricated Model Y90, Y Strainers



Y90w type



Y90b type



● DIMENSION TABLE

UNIT (mm)

Size		a (BW)		A (FLGD)		B		OH		Net Weight (kg)			
A(mm)	Inch(″)	#150	#300	#150	#300	#150	#300	#150	#300	BW		Flange	
										#150	#300	#150	#300
50A	2″	210	209	337	349	240	258	335	350	8	11	22	52
80A	3″	295	296	435	454	295	315	426	435	17	24	43	68
100A	4″	366	365	518	537	340	353	493	484	26	40	88	118
150A	6″	527	527	705	724	416	446	610	629	46	76	191	257
200A	8″	686	685	889	908	523	565	870	834	79	125	284	430
250A	10″	848	845	1051	1080	610	677	1020	1061	120	198	494	666
300A	12″	1,009	1,008	1238	1268	721	790	1210	1191	180	283	627	931
350A	14″	1,154	1,155	1408	1440	785	884	1321	1345	233	374	758	1,112
400A	16″	1,300	1,299	1554	1591	908	999	1508	1533	294	479	1,088	2,565
450A	18″	1,461	1,460	1740	1778	1012	1114	1657	1734	360	600	1,373	1,948
500A	20″	1,699	1,622	1988	1946	1145	1212	1825	1892	458	752	1,755	2,456
600A	24″	1,987	1,912	2292	2248	1371	1446	2203	2278	649	1,086	2,537	4,378

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>

Y90-A	Y90-B	Y90-C	Y90-D

Fabricated Model Y60R, Y Strainers

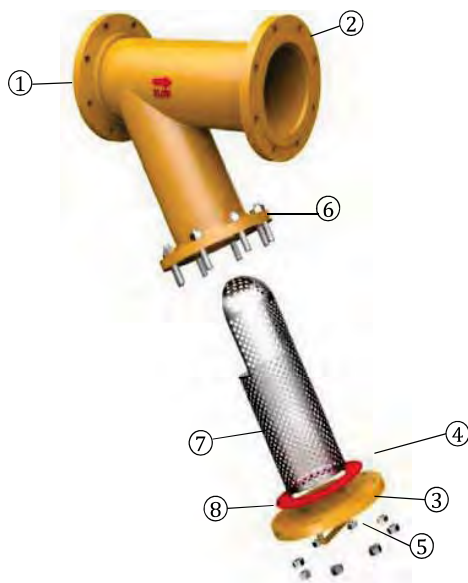


Y Strainers for steel plate take their name from their configuration.

They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the Screen, and without interrupting the process flow. End connection is flange or BW.

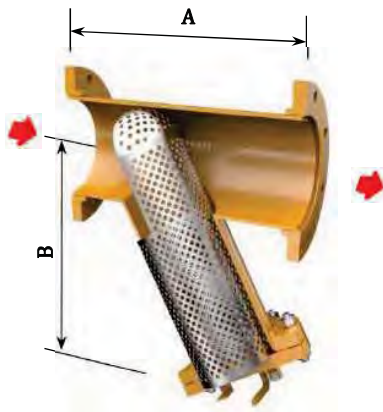
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.

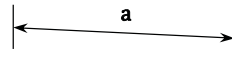


Item No.	Description
1	Body
2	Body Flange
3	Cover
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Gasket

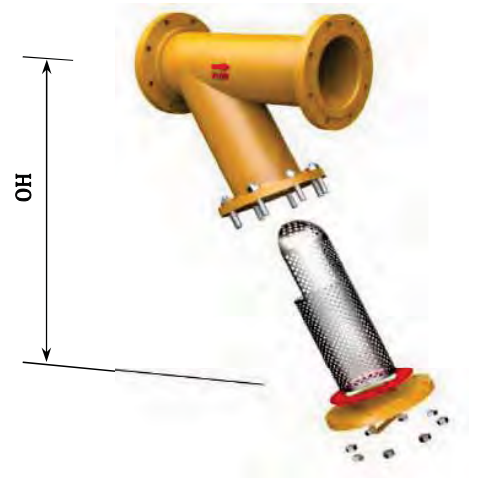
Fabricated Model **Y60R**, Y Strainers



Y60Rs type



Y60Rb type



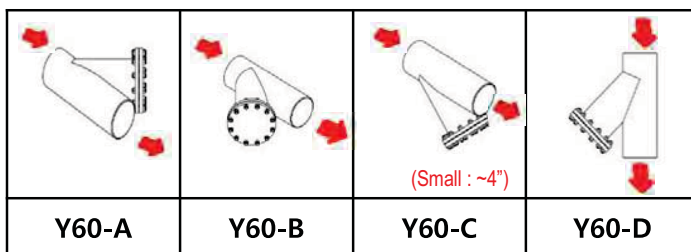
① DIMENSION TABLE

UNIT (mm)

Size		a=C*2 BW		A=(a+f+f) FLGD END		B(M+F) FLGD & BW		OH(M*2) FLGD & BW		Net Weight (kg) BW		Net Weight (kg) FLGD END	
A(mm)	Inch(″)	#150	#300	#150	#300	#150	#300	#150	#300	#150	#300	#150	#300
50A	2″	127	127	254	267	254	267	508	534	7	9	13	16
80A	3″	171	171	311	330	311	330	622	660	14	20	26	36
100A	4″	210	210	362	381	362	381	724	763	22	33	38	58
150A	6″	286	286	464	483	464	483	927	966	38	63	64	106
200A	8″	356	356	559	578	559	578	1,118	1,156	66	104	109	171
250A	10″	432	432	635	666	635	666	1,270	1,333	100	165	154	261
300A	12″	508	508	737	768	737	768	1,473	1,536	150	236	238	378
350A	14″	559	559	813	844	813	844	1,626	1,688	194	312	308	507
400A	16″	610	610	864	902	864	902	1,727	1,804	245	399	387	647
450A	18″	686	686	965	1,003	965	1,003	1,930	2,007	300	500	465	804
500A	20″	762	762	1,051	1,086	1,051	1,086	2,102	2,172	382	627	579	995
550A	22″	838	838	1,137	1,168	1,137	1,168	2,273	2,337	440	689	681	1,095
600A	24″	864	864	1,168	1,200	1,168	1,200	2,337	2,400	541	905	809	1,423

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



Fabricated Model Y60F, Y Strainers

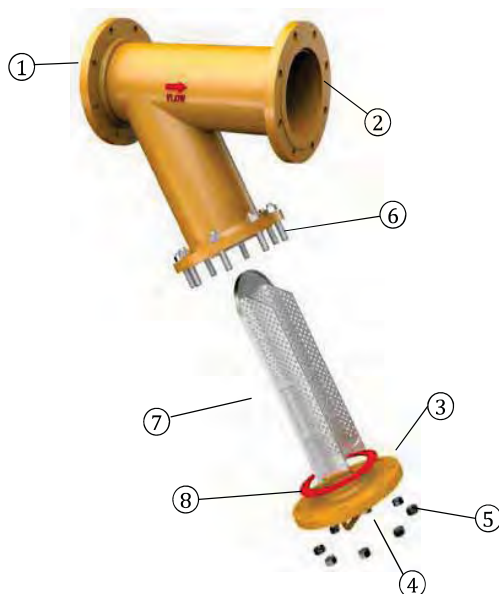


Y Strainers for steel plate take their name from their configuration.

They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the Screen, and without interrupting the process flow. End connection is flange or BW.

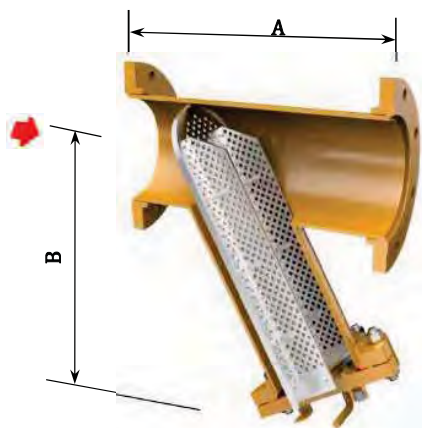
Specifications

Sizes:	2" to 24" Nominal Bore	
Stress Analysis Code:	ASME Section VIII Div. 1 or ASME B31.1 (Power Piping) or ASME B31.3 (Process Piping)	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (DIN, BS, JIS also available)	
Features & Options	Features	Options
	• Fabricated Construction	
	• Coating : Epoxy, Inorganic Zinc etc.	• Special Finish : Lining / Hot Dip Galv. / Internal Coat.
	• Gasket : SWG - 150LB~600LB, RTJ - 900LB~	• Other Gasket
	• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500	• Enlarged Screen Design to increase performance
	• Drain, Vent : Socket + Screw, Flange Conn.	• Drain, Vent : Flange , Valve Conn.
	• Davit(22.5kg~500kg)	• Davit(~22.5kg or 500kg~)
	• Bolt/Nut Coating : None or Electric Galv.	• Bolt/Nut Coating : Ceramic, Xylene etc.
	• Full NDE : RT, MT, PT, UT etc.	• Casting : Body or Conn. End
	• Screen : Original	• Spare Screen
	• Gasket : Original	• Spare Gasket
	• Flange : Original	• Counter Flange
	• Bolt/Nut : Original	• Spare Bolt/Nut
Material	Body	Carbon Steel, Stainless Steel, Bronze etc.
	Screen	Carbon Steel, Stainless Steel, Monel, Titanium etc.



Item No.	Description
1	Body
2	Body Flange
3	Cover
4	Drain Plug
5	Hex Nut
6	Stud Bolt
7	Screen
8	Gasket

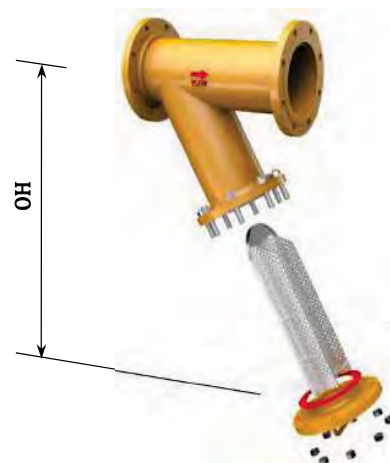
Fabricated Model **Y60F**, Y Strainers



Y60Fs type



Y60Fb type



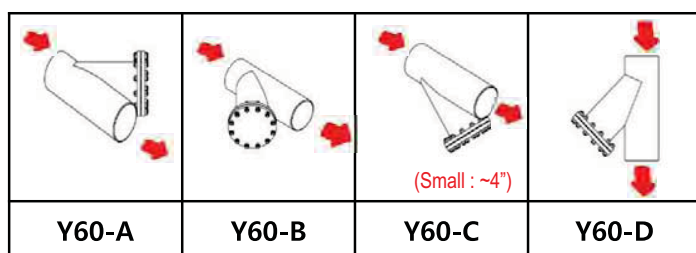
● DIMENSION TABLE

UNIT (mm)

Size		a=C*2		A=(a+f+f)		B(M+F)		OH(M*2)		Net Weight (kg)		Net Weight (kg)	
A(mm)	Inch(″)	BW		FLGD END		FLGD & BW		FLGD & BW		BW		FLGD END	
		#150	#300	#150	#300	#150	#300	#150	#300	#150	#300	#150	#300
50A	2″	127	127	254	267	254	267	508	534	7	9	13	16
80A	3″	171	171	311	330	311	330	622	660	14	20	26	36
100A	4″	210	210	362	381	362	381	724	763	22	33	38	58
150A	6″	286	286	464	483	464	483	927	966	38	63	64	106
200A	8″	356	356	559	578	559	578	1,118	1,156	66	104	109	171
250A	10″	432	432	635	666	635	666	1,270	1,333	100	165	154	261
300A	12″	508	508	737	768	737	768	1,473	1,536	150	236	238	378
350A	14″	559	559	813	844	813	844	1,626	1,688	194	312	308	507
400A	16″	610	610	864	902	864	902	1,727	1,804	245	399	387	647
450A	18″	686	686	965	1,003	965	1,003	1,930	2,007	300	500	465	804
500A	20″	762	762	1,051	1,086	1,051	1,086	2,102	2,172	382	627	579	995
550A	22″	838	838	1,137	1,168	1,137	1,168	2,273	2,337	440	689	681	1,095
600A	24″	864	864	1,168	1,200	1,168	1,200	2,337	2,400	541	905	809	1,423

※ Larger sizes and higher pressure classes available. Consult Factory.

<Product install direction>



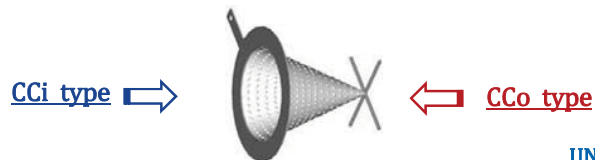
Flat & Conical (CF/CCi/CCo), Strainers

They shall be used for flushing before starting regular operation of the piping. These type are temporary strainers, which are installed between Flanges of piping line.



Specifications

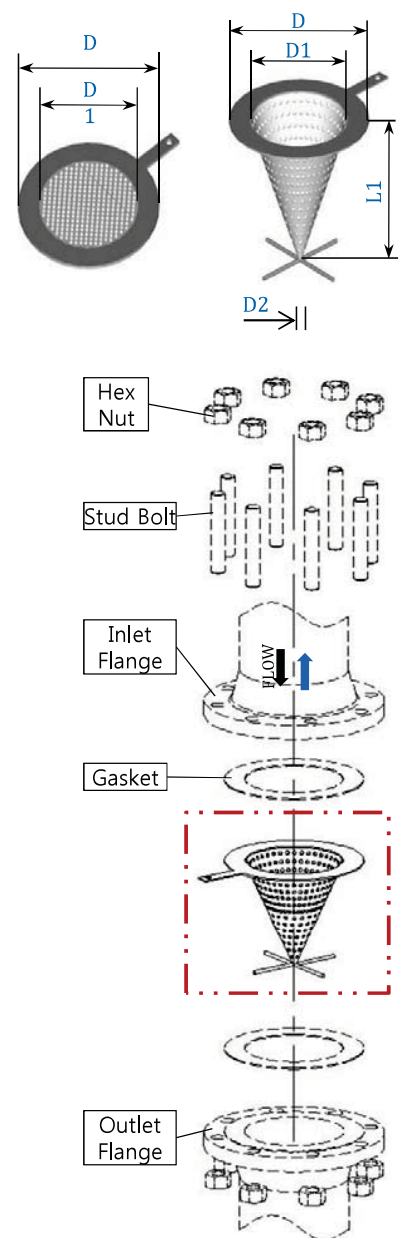
Sizes:		1" to 84" Nominal Bore
Pressure Rating:		ASME Class 150, 300 (In the case of more than Class 600 special.)
Connection Flange:		ASME B16.5 etc. (AWWA, DIN, BS, JIS also available)
Features		• Perforated Plate : Φ 2.0~ Φ 30.0, Mesh : #4~#500 (5350~35 Micron)
Options		• "Conical-shape" Screen Design to increase performance
Material of Construction	Body	Stainless Steel, Bronze etc.
	Screen	Stainless Steel, Monel, Titanium etc.



DIMENSION TABLE

Size		D		D1	D2	L1	Net Weight		NET CBM(m ³)	
A(mm)	Inch(")	# 150	# 300				Conical (Flat)	Spacer Ring	#150	#300
25A	1"	64	70	23	15	40	0.2(0.1)	0.1	0.0002	0.0002
32A	1 1/4"	73	80	30	15	45	0.3(0.2)	0.2	0.0002	0.0003
40A	1 1/2"	83	92	36	15	50	0.4(0.3)	0.3	0.0003	0.0004
50A	2"	102	108	46	15	60	0.5(0.4)	0.4	0.0006	0.0007
65A	2 1/2"	121	127	58	15	70	0.6(0.5)	0.45	0.0010	0.0011
80A	3"	134	149	70	15	85	0.7(0.6)	0.54	0.0015	0.0019
100A	4"	172	181	93	15	115	1.1(0.7)	0.63	0.0034	0.0038
125A	5"	194	213	115	15	145	1.4(0.8)	0.72	0.0055	0.0066
150A	6"	220	248	135	15	180	1.8(0.9)	0.81	0.0087	0.0111
200A	8"	277	308	185	15	230	3.8(2)	1.8	0.0176	0.0218
250A	10"	337	362	235	15	295	5.5(3)	2.7	0.0335	0.0387
300A	12"	407	426	275	15	365	8.2(4)	3.6	0.0605	0.0662
350A	14"	447	485	305	15	390	8.8(5)	4.5	0.0779	0.0917
400A	16"	511	543	350	15	455	9.5(6)	5.4	0.1188	0.1342
450A	18"	546	597	400	15	510	11(7)	6.3	0.1520	0.1818
500A	20"	603	651	450	15	570	18(12)	10.8	0.2073	0.2416
550A	22"	657	657	500	15	625	21(13)	11.7	0.2698	0.2698
600A	24"	715	715	550	15	675	24(16)	14.4	0.3451	0.3451
650A	26"	772	772	595	15	730	28(17)	15.3	0.4351	0.4351
700A	28"	829	829	645	15	780	32(19)	17.1	0.5360	0.5360
750A	30"	880	880	695	15	835	35(20)	18	0.6466	0.6466
800A	32"	937	937	740	15	885	40(23)	20.7	0.7770	0.7770
850A	34"	987	987	790	15	945	44(25)	22.5	0.9206	0.9206
900A	36"	1,045	1,045	840	15	995	45(28)	25.2	1.0866	1.0866
950A	38"	1,108	1,108	890	15	1,060	51(31)	27.9	1.3013	1.3013
1000A	40"	1,159	1,159	930	15	1,130	56(34)	30.6	1.5179	1.5179
1050A	42"	1,216	1,216	975	15	1,180	62(38)	34.2	1.7448	1.7448
1100A	44"	1,273	1,273	1,020	15	1,240	68(41)	36.9	2.0095	2.0095
1150A	46"	1,324	1,324	1,070	15	1,285	70(44)	39.6	2.2526	2.2526
1200A	48"	1,381	1,381	1,120	15	1,350	76(47)	42.3	2.5747	2.5747
1250A	50"	1,432	1,432	1,160	15	1,410	82(51)	45.9	2.8914	2.8914
1300A	52"	1,489	1,489	1,210	15	1,460	88(55)	49.5	3.2370	3.2370
1350A	54"	1,546	1,546	1,260	15	1,520	90(59)	53.1	3.6330	3.6330
1500A	60"	1,711	1,711	1,400	15	1,700	110(71)	63.9	4.9768	4.9768
1650A	66"	1,883	1,883	1,540	15	1,850	122(86)	77.4	6.5595	6.5595
1800A	72"	2,048	2,048	1,680	15	2,030	144(101)	90.9	8.5144	8.5144
1950A	78"	2,207	2,207	1,830	15	2,200	165(114)	102.6	10.7159	10.7159
2100A	84"	2,372	2,372	1,970	15	2,360	189(132)	118.8	13.2783	13.2783

* Larger sizes and higher pressure classes available. Consult Factory.



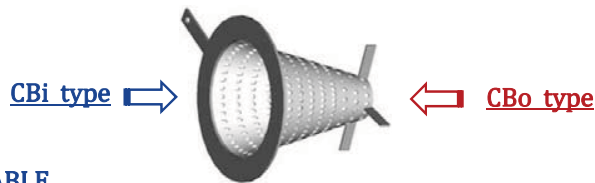
Cone Basket Model CBi/CBo, Strainers

They shall be used for flushing before starting regular operation of the piping. These type are temporary strainers, which are installed between Flanges of piping line.



Specifications

Sizes:	2½" to 84" Nominal Bore	
Pressure Rating:	ASME Class 150, 300 (In the case of more than Class 600 special.)	
Connection Flange:	ASME B16.5 etc. (AWWA, DIN, BS, JIS also available)	
Features	• Perforated Plate :Φ2.0~Φ30.0, Mesh : #4~#500 (5350~35 Micron)	
Options	• "Conical-shape" Screen Design to increase performance	
Material of Construction	Body	Stainless Steel, Bronze etc.
	Screen	Stainless Steel, Monel, Titanium etc.

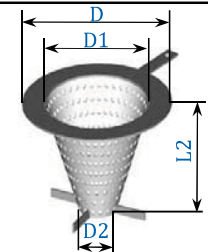


● DIMENSION TABLE

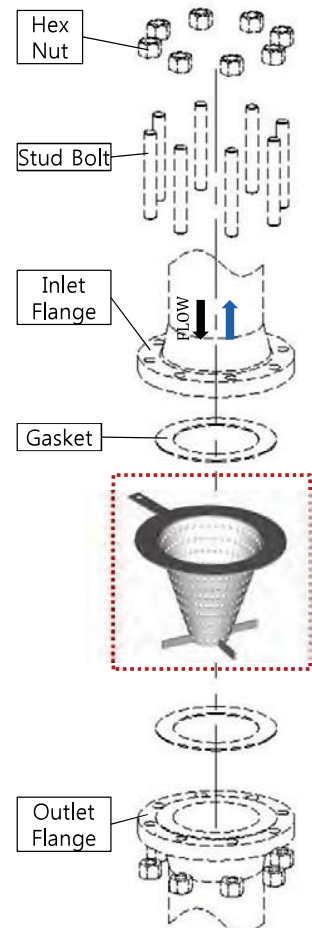
UNIT (mm)

Size		D		D1	D2	L2	Net Weight(kg)		NET CBM(m³)	
A(mm)	Inch(″)	#150	#300				Basket	Spacer Ring	#150	#300
65A	2 1/2″	121	127	58	35	80	0.6	0.45	0.001	0.001
80A	3″	134	149	70	45	100	0.7	0.54	0.002	0.002
100A	4″	172	181	93	60	110	1.1	0.63	0.003	0.004
125A	5″	194	213	115	75	140	1.4	0.72	0.005	0.006
150A	6″	220	248	135	90	170	1.8	0.81	0.008	0.010
200A	8″	277	308	185	125	210	3.8	1.8	0.016	0.020
250A	10″	337	362	235	150	270	5.5	2.7	0.031	0.035
300A	12″	407	426	275	180	325	8.2	3.6	0.054	0.059
350A	14″	447	485	305	205	350	8.8	4.5	0.070	0.082
400A	16″	511	543	350	245	400	9.5	5.4	0.104	0.118
450A	18″	546	597	400	270	450	11	6.3	0.134	0.160
500A	20″	603	651	450	305	500	18	10.8	0.182	0.212
550A	22″	657	657	500	335	550	21	11.7	0.237	0.237
600A	24″	715	715	550	360	600	24	14.4	0.307	0.307
650A	26″	772	772	595	385	650	28	15.3	0.387	0.387
700A	28″	829	829	645	415	700	32	17.1	0.481	0.481
750A	30″	880	880	695	450	750	35	18	0.581	0.581
800A	32″	937	937	740	470	800	40	20.7	0.702	0.702
850A	34″	987	987	790	500	850	44	22.5	0.828	0.828
900A	36″	1,045	1,045	840	530	900	45	25.2	0.983	0.983
950A	38″	1,108	1,108	890	560	950	51	27.9	1.166	1.166
1000A	40″	1,159	1,159	930	600	1,000	56	30.6	1.343	1.343
1050A	42″	1,216	1,216	975	630	1,050	62	34.2	1.553	1.553
1100A	44″	1,273	1,273	1,020	650	1,100	68	36.9	1.783	1.783
1150A	46″	1,324	1,324	1,070	680	1,150	70	39.6	2.016	2.016
1200A	48″	1,381	1,381	1,120	710	1,200	76	42.3	2.289	2.289
1250A	50″	1,432	1,432	1,160	740	1,250	82	45.9	2.563	2.563
1300A	52″	1,489	1,489	1,210	770	1,300	88	49.5	2.882	2.882
1350A	54″	1,546	1,546	1,260	800	1,350	90	53.1	3.227	3.227
1500A	60″	1,711	1,711	1,400	890	1,500	110	63.9	4.391	4.391
1650A	66″	1,883	1,883	1,540	980	1,650	122	77.4	5.850	5.850
1800A	72″	2,048	2,048	1,680	1,060	1,800	144	90.9	7.550	7.550
1950A	78″	2,207	2,207	1,830	1,150	1,950	165	102.6	9.498	9.498
2100A	84″	2,372	2,372	1,970	1,250	2,100	189	118.8	11.815	11.815

※ Larger sizes and higher pressure classes available. Consult Factory.



BASKET Type
(65A~)



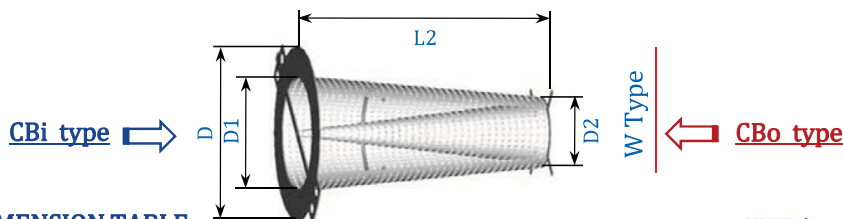
Double Cone Model CWi/CWo, Strainers



They shall be used for flushing before starting regular operation of the piping. These type are temporary strainers, which are installed between Flanges of piping line. The differential pressure is low and cleaning interval is long.

Specifications

Sizes:		6" to 84" Nominal Bore
Pressure Rating:		ASME Class 150, 300 (In the case of more than Class 600 special.)
Connection Flange:		ASME B16.5 etc. (AWWA, DIN, BS, JIS also available)
Features		• Perforated Plate : $\Phi 2.0 \sim \Phi 30.0$, Mesh : #4~#500 (5350~35 Micron)
Options		• "Conical-shape" Screen Design to increase performance
Material of Construction	Body	Stainless Steel, Bronze etc.
	Screen	Stainless Steel, Monel, Titanium etc.

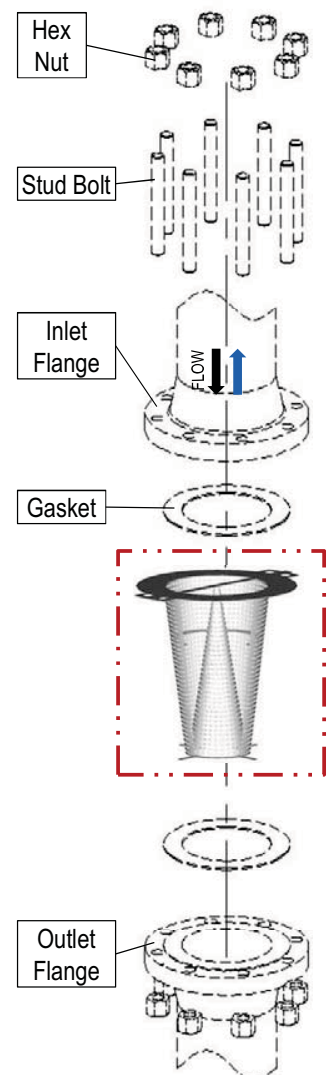


DIMENSION TABLE

UNIT (mm)

Nominal Dia.		D		D1	D2	L1	L2	NetWeight		NET CBM(m ³)	
A(mm)	Inch(″)	CL.150	CL.300					Double Cone	Spacer Ring	CL.150	CL.300
150A	6″	220	248	135	90	180	170	1.8	0.81	0.008	0.010
200A	8″	277	308	185	125	230	210	3.8	1.8	0.016	0.020
250A	10″	337	362	235	150	295	270	5.5	2.7	0.031	0.035
300A	12″	407	426	275	180	365	325	8.2	3.6	0.054	0.059
350A	14″	447	485	305	205	390	350	8.8	4.5	0.070	0.082
400A	16″	511	543	350	245	455	400	9.5	5.4	0.104	0.118
450A	18″	546	597	400	270	510	450	11	6.3	0.134	0.160
500A	20″	603	651	450	305	570	500	18	10.8	0.182	0.212
550A	22″	657	657	500	335	625	550	21	11.7	0.237	0.237
600A	24″	715	715	550	360	675	600	24	14.4	0.307	0.307
650A	26″	772	772	595	385	730	650	28	15.3	0.387	0.387
700A	28″	829	829	645	415	780	700	32	17.1	0.481	0.481
750A	30″	880	880	695	450	835	750	35	18	0.581	0.581
800A	32″	937	937	740	470	885	800	40	20.7	0.702	0.702
850A	34″	987	987	790	500	945	850	44	22.5	0.828	0.828
900A	36″	1,045	1,045	840	530	995	900	45	25.2	0.983	0.983
950A	38″	1,108	1,108	890	560	1,060	950	51	27.9	1.166	1.166
1000A	40″	1,159	1,159	930	600	1,130	1,000	56	30.6	1.343	1.343
1050A	42″	1,216	1,216	975	630	1,180	1,050	62	34.2	1.553	1.553
1100A	44″	1,273	1,273	1,020	650	1,240	1,100	68	36.9	1.783	1.783
1150A	46″	1,324	1,324	1,070	680	1,285	1,150	70	39.6	2.016	2.016
1200A	48″	1,381	1,381	1,120	710	1,350	1,200	76	42.3	2.289	2.289
1250A	50″	1,432	1,432	1,160	740	1,410	1,250	82	45.9	2.563	2.563
1300A	52″	1,489	1,489	1,210	770	1,460	1,300	88	49.5	2.882	2.882
1350A	54″	1,546	1,546	1,260	800	1,520	1,350	90	53.1	3.227	3.227
1500A	60″	1,711	1,711	1,400	890	1,700	1,500	110	63.9	4.391	4.391
1650A	66″	1,883	1,883	1,540	980	1,850	1,650	122	77.4	5.850	5.850
1800A	72″	2,048	2,048	1,680	1,060	2,030	1,800	144	90.9	7.550	7.550
1950A	78″	2,207	2,207	1,830	1,150	2,200	1,950	165	102.6	9.498	9.498
2100A	84″	2,372	2,372	1,970	1,250	2,360	2,100	189	118.8	11.815	11.815

※ Larger sizes and higher pressure classes available. Consult Factory.



MESH – MM CONVERSION & OPEN AREA CHART

MESH	WIRE DIA	OPENING	OPEN AREA	SWG NO.
	(mm)	(mm / microns)	(%)	
2	1.000	11.700 / 11700	85	19
2.3	1.600	9.443 / 9443	73	16
3	1.000	7.467 / 7467	78	19
4	1.200	5.150 / 5150	66	18
	1.000	5.350 / 5350	71	19
	0.900	5.450 / 5450	74	20
5	1.000	4.080 / 4080	65	19
	0.900	4.180 / 4180	68	20
	0.800	4.280 / 4280	71	21
6	0.900	3.333 / 3333	62	20
	0.800	3.433 / 3433	66	21
	0.700	3.533 / 3533	70	22
	0.600	3.633 / 3633	74	23
7	0.800	2.829 / 2829	61	21
	0.600	3.029 / 3029	70	23
8	0.900	2.275 / 2275	51	20
	0.800	2.375 / 2375	56	21
	0.700	2.475 / 2475	61	22
	0.600	2.575 / 2575	66	23
	0.500	2.675 / 2675	71	25
	0.450	2.725 / 2725	74	26
10	0.800	1.740 / 1740	47	21
	0.700	1.840 / 1840	53	22
	0.600	1.940 / 1940	58	23
	0.500	2.040 / 2040	65	25
	0.450	2.090 / 2090	68	26
	0.400	2.140 / 2140	71	28
12	0.500	1.617 / 1617	58	25
	0.450	1.667 / 1667	62	26
	0.400	1.717 / 1717	66	28
	0.350	1.767 / 1767	70	29
14	0.500	1.314 / 1314	53	25
	0.400	1.414 / 1414	61	28
	0.350	1.464 / 1464	65	29
16	0.600	0.988 / 988	39	23
	0.500	1.088 / 1088	47	25
	0.400	1.188 / 1188	56	28
	0.350	1.238 / 1238	61	29
	0.290	1.298 / 1298	67	31
18	0.600	0.811 / 811	33	23
	0.500	0.911 / 911	42	25
	0.400	1.011 / 1011	51	28
	0.350	1.061 / 1061	57	29
	0.290	1.121 / 1121	63	31
20	0.500	0.770 / 770	37	25
	0.400	0.870 / 870	47	28
	0.350	0.920 / 920	53	29
	0.290	0.980 / 980	60	31
24	0.400	0.658 / 658	39	28
	0.350	0.708 / 708	45	29
	0.290	0.768 / 768	53	31
	0.250	0.808 / 808	58	33
	0.230	0.828 / 828	61	34
	0.190	0.868 / 868	67	36
30	0.290	0.557 / 557	43	31
	0.250	0.597 / 597	50	33
	0.230	0.617 / 617	53	34
	0.220	0.627 / 627	55	35

MESH	WIRE DIA	OPENING	OPEN AREA	SWG NO.
	(mm)	(mm/microns)	(%)	
36	0.250	0.456 / 456	42	33
40	0.254	0.381 / 381	36	33
	0.250	0.385 / 385	37	33
	0.200	0.435 / 435	47	36
	0.180	0.455 / 455	51	37
	0.250	0.258 / 258	26	33
50	0.230	0.278 / 278	30	34
	0.200	0.308 / 308	37	36
	0.180	0.328 / 328	42	37
	0.140	0.368 / 368	53	39
	0.200	0.223 / 223	28	36
60	0.180	0.243 / 243	33	37
	0.160	0.263 / 263	39	38
	0.140	0.283 / 283	45	39
	0.152	0.211 / 211	34	38
80	0.140	0.178 / 178	31	39
	0.120	0.198 / 198	39	40
	0.110	0.208 / 208	43	41
	0.100	0.218 / 218	47	42
	0.120	0.134 / 134	28	40
100	0.110	0.144 / 144	32	41
	0.100	0.154 / 154	37	42
	0.080	0.174 / 174	47	44
	0.110	0.102 / 102	23	41
120	0.100	0.112 / 112	28	42
	0.080	0.132 / 132	39	44
	0.065	0.104 / 104	38	46
150	0.060	0.109 / 109	42	46
	0.050	0.119 / 119	50	47
	0.045	0.109 / 109	50	48
180	0.060	0.081 / 81	33	46
	0.053	0.088 / 88	39	47
	0.050	0.091 / 91	42	47
	0.045	0.096 / 96	46	48
	0.058	0.069 / 69	30	47
200	0.053	0.074 / 74	34	47
	0.050	0.077 / 77	37	47
	0.045	0.082 / 82	42	48
	0.040	0.087 / 87	47	48
	0.035	0.075 / 75	47	49
230	0.045	0.057 / 57	31	48
	0.040	0.062 / 62	37	48
	0.035	0.067 / 67	43	49
	0.030	0.072 / 72	50	49
250	0.035	0.059 / 59	39	49
	0.040	0.045 / 45	28	48
	0.035	0.050 / 50	34	49
	0.030	0.055 / 55	42	49
	0.028	0.057 / 57	45	50
300	0.040	0.038 / 38	24	48
	0.035	0.043 / 43	31	49
	0.030	0.048 / 48	38	49
	0.028	0.050 / 50	41	50
325	0.035	0.038 / 38	27	49
	0.030	0.043 / 43	34	49
350	0.030	0.034 / 34	28	49
400	0.030	0.021 / 21	17	49
500	0.025	0.026 / 26	26	50

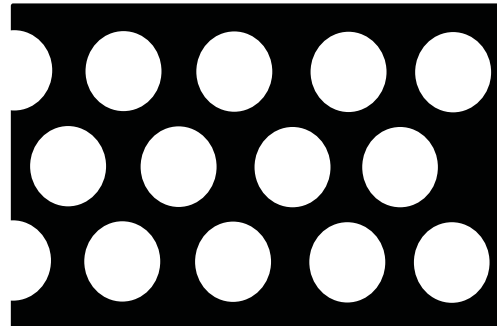
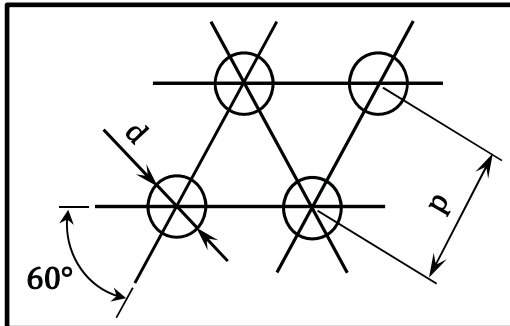
FLOW RATES IN PIPES REFERENCE

WALL THICKNESS STD. : ASME B36.10 B36.19

BORE		SECTION AREA m ²	FLOW RATE IN PIPE (m ³ /hr)					
B	A		0.5 m/s	1.0 m/s	1.5 m/s	2.0 m/s	2.5 m/s	3.0 m/s
1/8	6	0.000037	0.066	0.132	0.198	0.264	0.330	0.396
1/4	8	0.000067	0.121	0.241	0.362	0.483	0.603	0.724
3/8	10	0.000123	0.222	0.443	0.665	0.886	1.108	1.330
1/2	15	0.000196	0.353	0.706	1.059	1.412	1.765	2.118
3/4	20	0.000344	0.619	1.239	1.858	2.477	3.096	3.716
1	25	0.000557	1.003	2.007	3.010	4.013	5.017	6.020
1 1/4	32	0.000964	1.736	3.472	5.207	6.943	8.679	10.415
1 1/2	40	0.001314	2.365	4.730	7.095	9.460	11.824	14.189
2	50	0.002165	3.897	7.793	11.690	15.586	19.483	23.379
2 1/2	65	0.003088	5.558	11.115	16.673	22.231	27.789	33.346
3	80	0.004769	8.583	17.167	25.750	34.334	42.917	51.501
3 1/2	90	0.006379	11.482	22.963	34.445	45.927	57.408	68.890
4	100	0.008213	14.783	29.567	44.350	59.134	73.917	88.700
5	125	0.012908	23.235	46.470	69.704	92.939	116.174	139.409
6	150	0.018646	33.563	67.125	100.688	134.250	167.813	201.375
8	200	0.032276	58.097	116.195	174.292	232.389	290.486	348.584
10	250	0.050856	91.541	183.082	274.623	366.164	457.704	549.245
12	300	0.072937	131.287	262.574	393.861	525.148	656.434	787.721
14	350	0.088954	160.116	320.233	480.349	640.466	800.582	960.698
16	400	0.117835	212.103	424.206	636.309	848.413	1060.516	1272.619
18	450	0.150770	271.386	542.773	814.159	1085.546	1356.932	1628.319
20	500	0.187759	337.966	675.933	1013.899	1351.866	1689.832	2027.798
22	550	0.228802	411.843	823.686	1235.529	1647.372	2059.215	2471.057
24	600	0.273898	493.016	986.032	1479.048	1972.064	2465.080	2958.096
26	650	0.323048	581.486	1162.971	1744.457	2325.943	2907.429	3488.914
28	700	0.376251	677.252	1354.504	2031.756	2709.008	3386.260	4063.512
30	750	0.433508	780.315	1560.630	2340.945	3121.259	3901.574	4681.889
32	800	0.494819	890.674	1781.349	2672.023	3562.697	4453.371	5344.046
34	850	0.560184	1008.330	2016.661	3024.991	4033.321	5041.652	6049.982
36	900	0.629602	1133.283	2266.566	3399.849	4533.132	5666.415	6799.698
38	950	0.703073	1265.532	2531.064	3796.597	5062.129	6327.661	7593.193
40	1000	0.780599	1405.078	2810.156	4215.234	5620.312	7025.390	8430.468
42	1050	0.862194	1551.950	3103.900	4655.850	6207.800	7759.750	9311.700
44	1100	0.947828	1706.090	3412.181	5118.271	6824.362	8530.452	10236.542
46	1150	1.037515	1867.527	3735.055	5602.582	7470.110	9337.637	11205.165
48	1200	1.131256	2036.261	4072.522	6108.783	8145.044	10181.305	12217.566

OPEN AREA RATIO CALCULATION

1. PERFORATED PLATE. (60° ZIG ZAG)

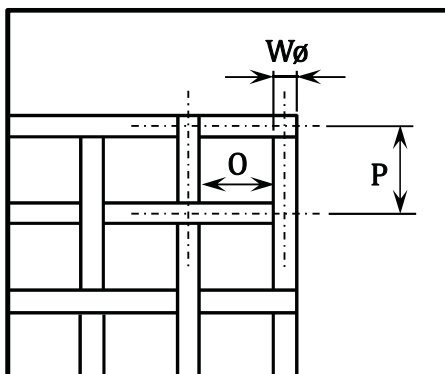


$$\text{OPEN AREA RATIO (\%)} = \frac{0.91 \times (D)^2 \times 100}{p}$$

Here is,

[d : PORE DIAMETER (mm)
p : PITCH (mm)

2. MESH (PLAIN WEAVE)



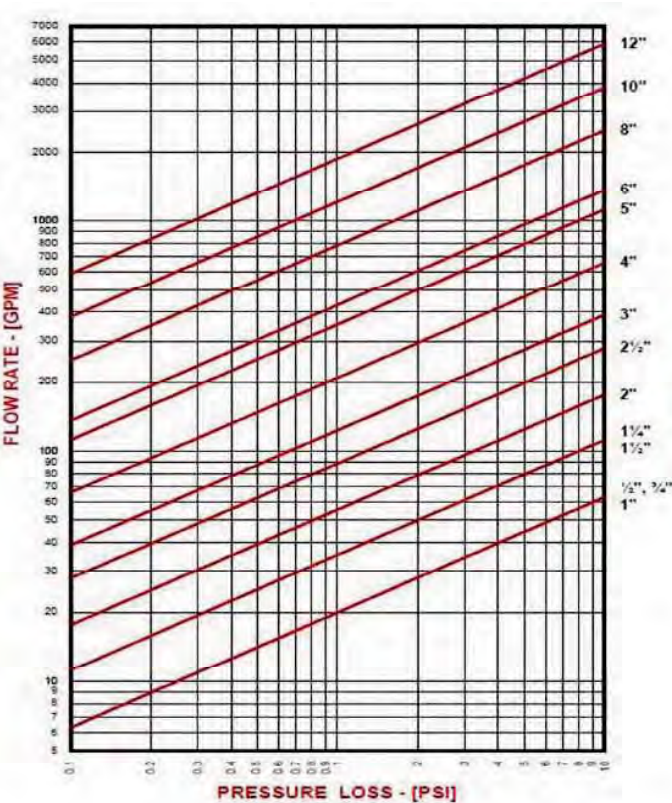
$$P = \frac{25.4}{n}$$

$$\text{OPEN AREA RATIO (\%)} = \frac{(O)^2 \times 100}{P} = \frac{(P-W)^2 \times 100}{P}$$

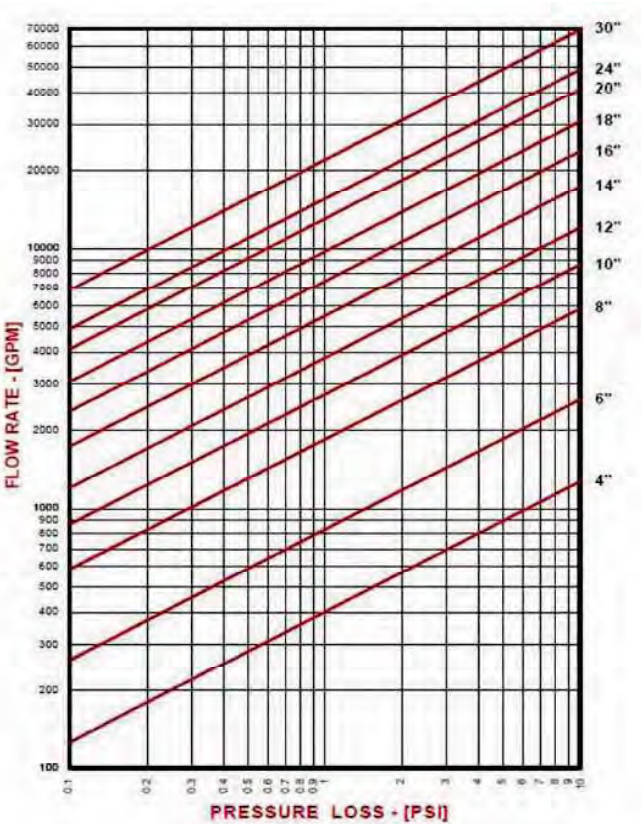
Here is, [P : PITCH (mm)
n : MESH NUMBER (mm)
W : WIRE DIAMETER (mm)
O : OPENING (mm)

Pressure Drop Chart

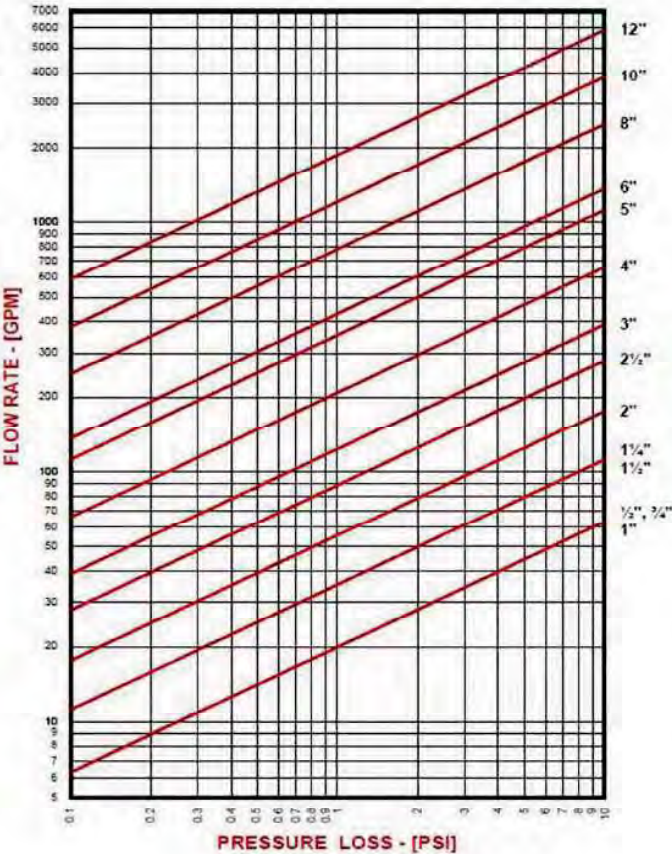
BC



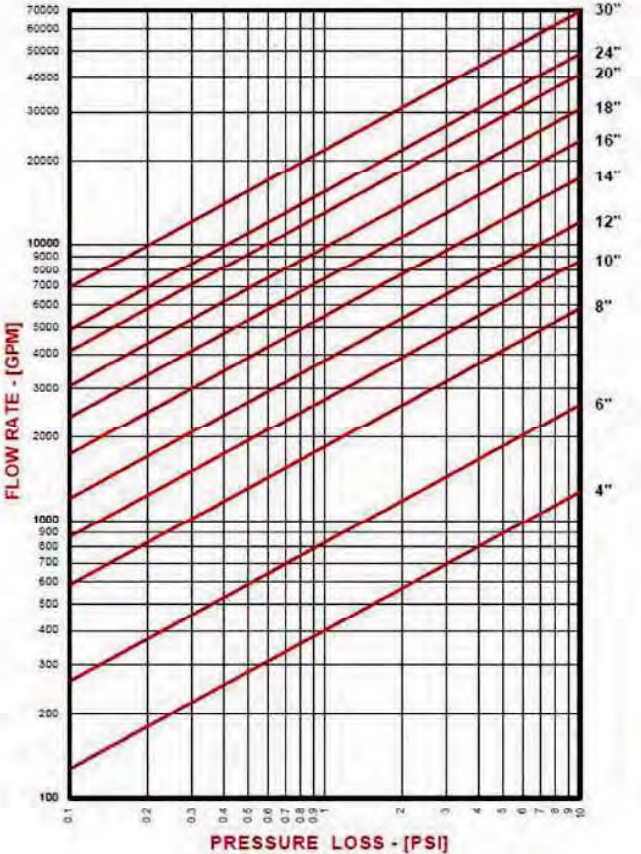
B1



BL/BD & DD

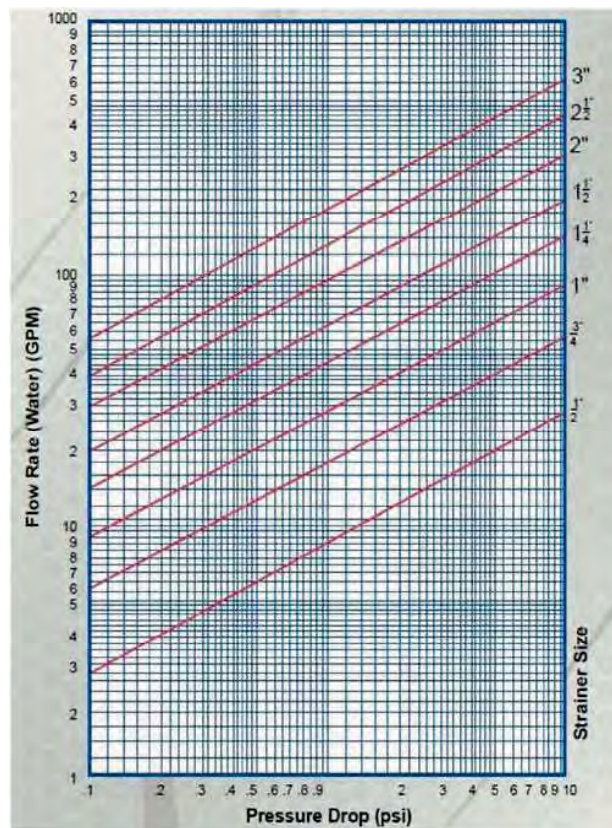


BT

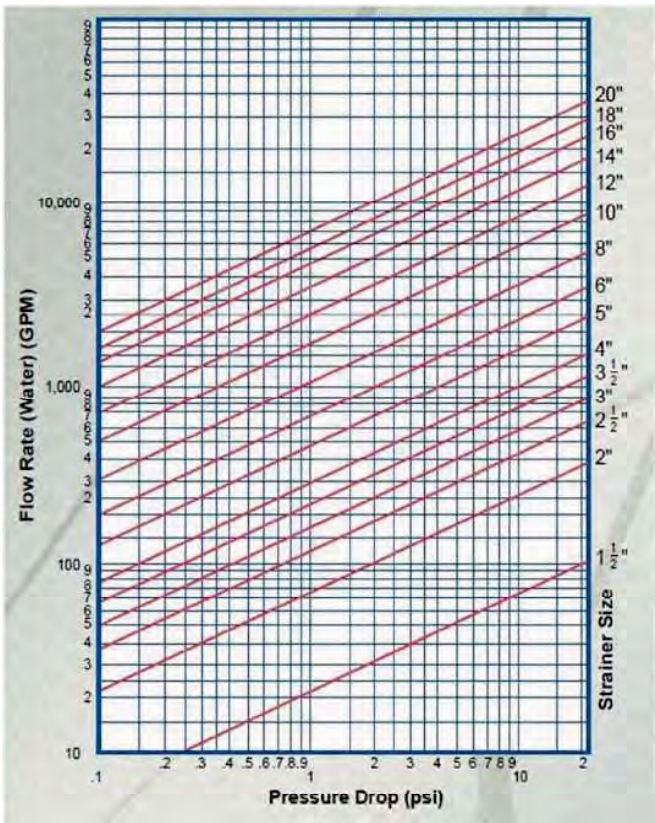


Pressure Drop Chart

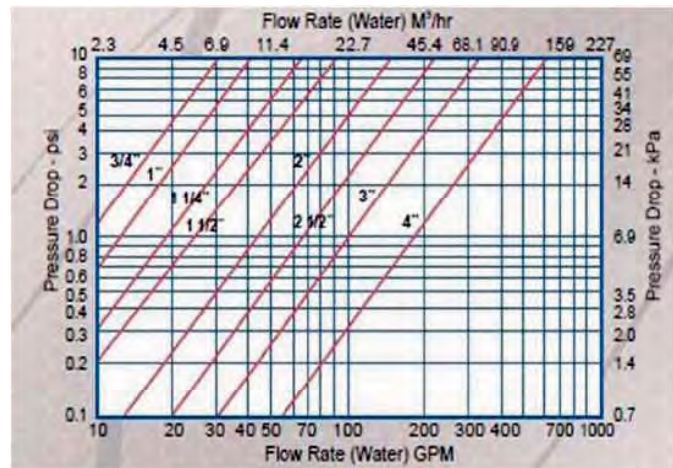
CC



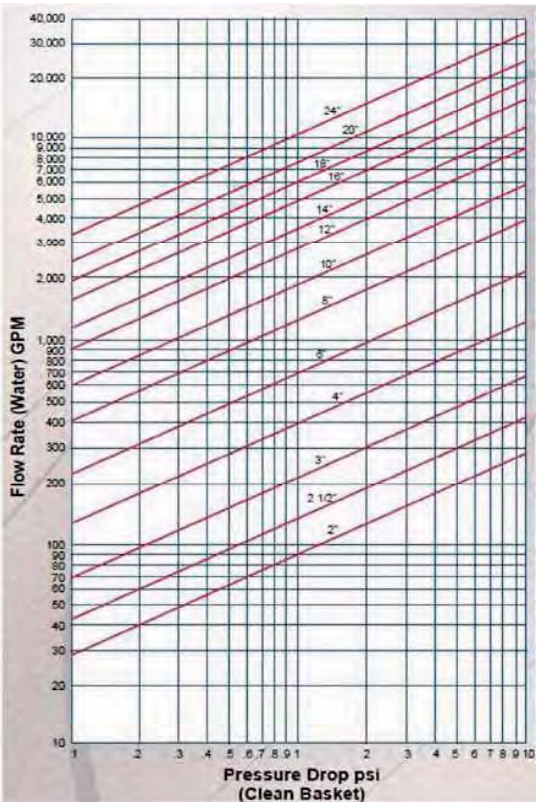
CB



DC

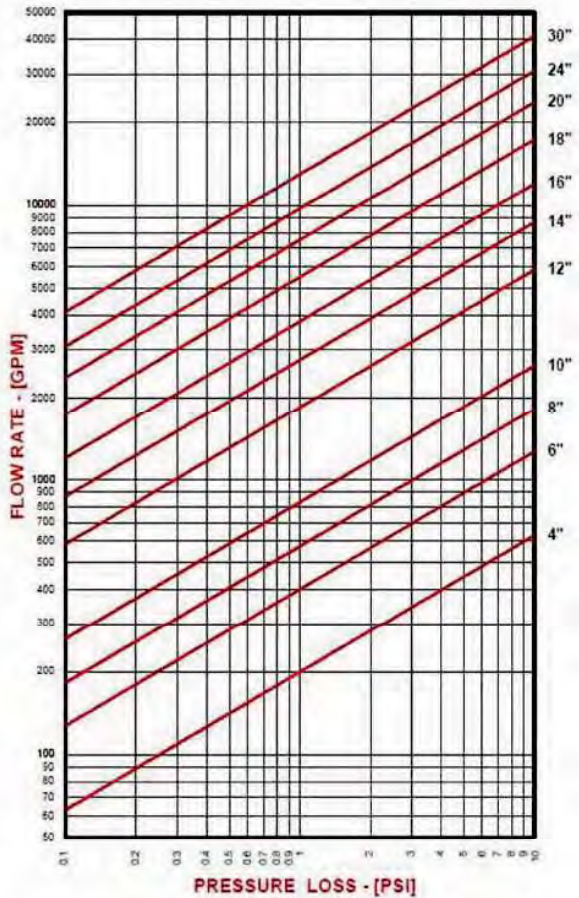


DH

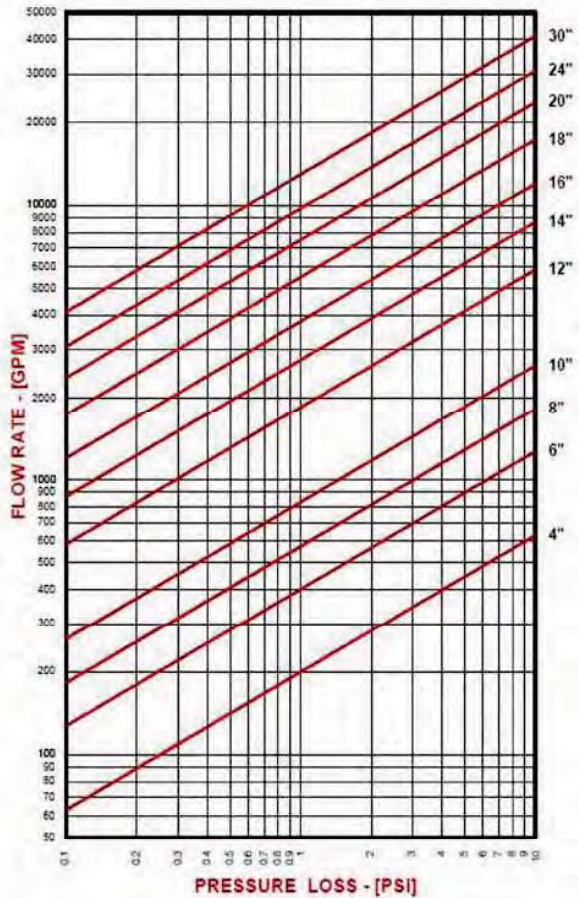


Pressure Drop Chart

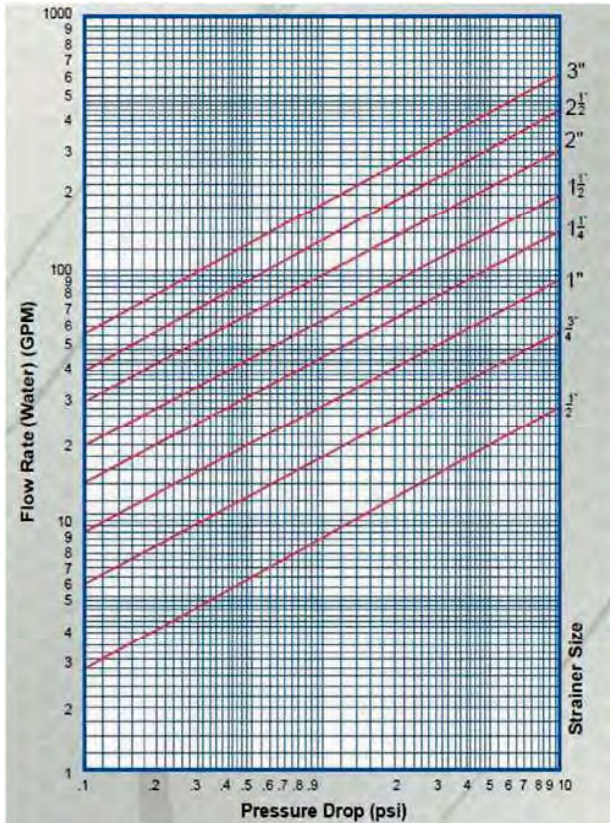
T1 = Y90 Type



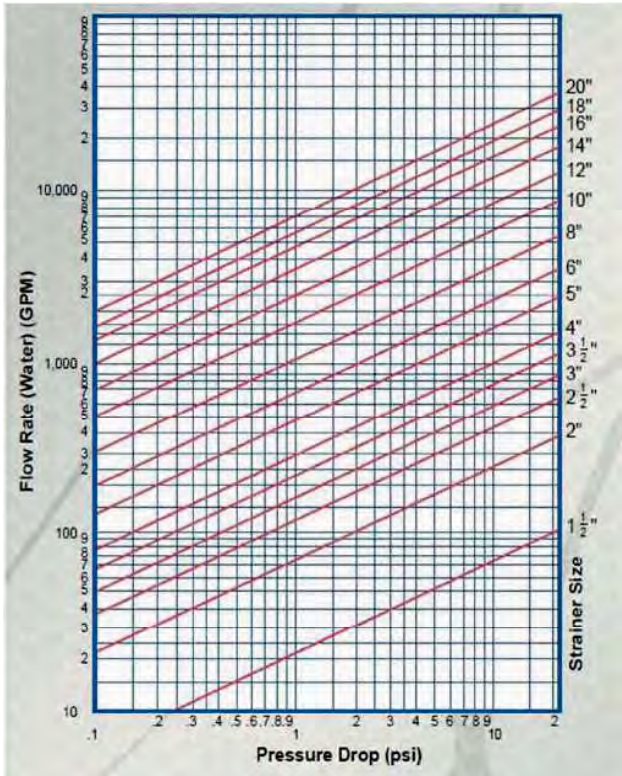
T2 Type



T3R Type

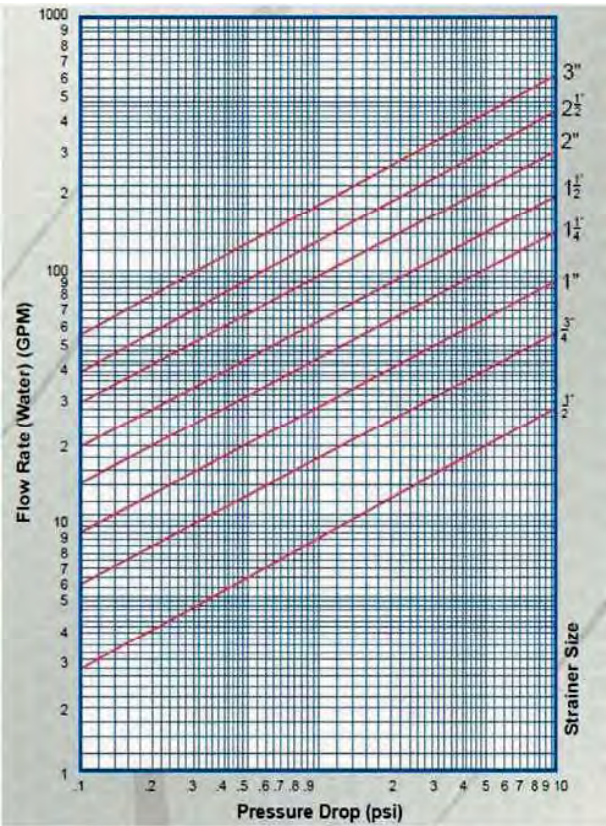


T3W Type

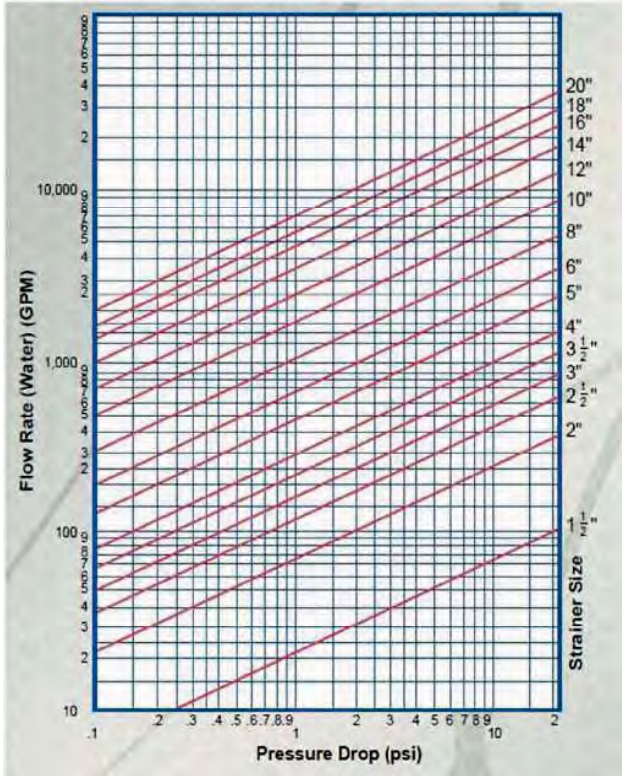


Pressure Drop Chart

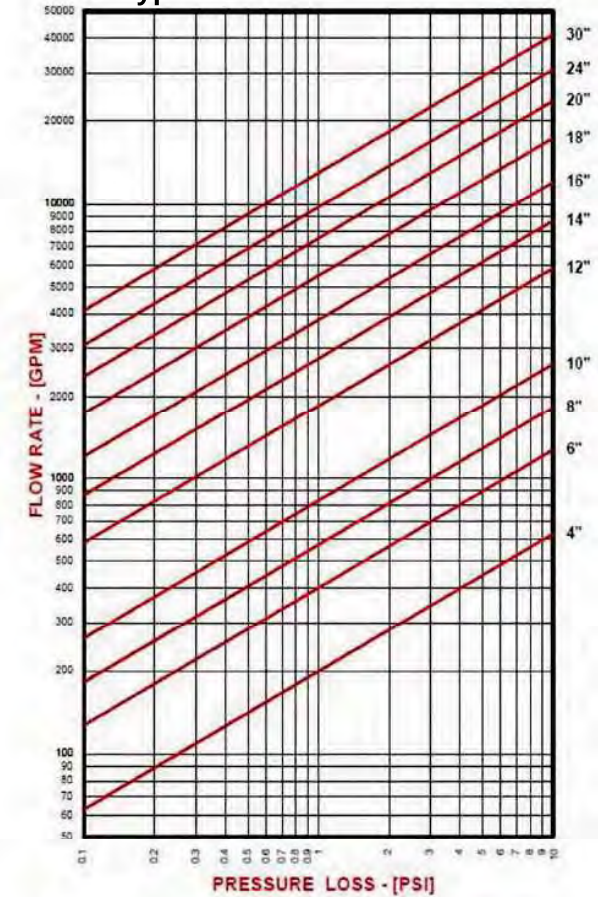
YF



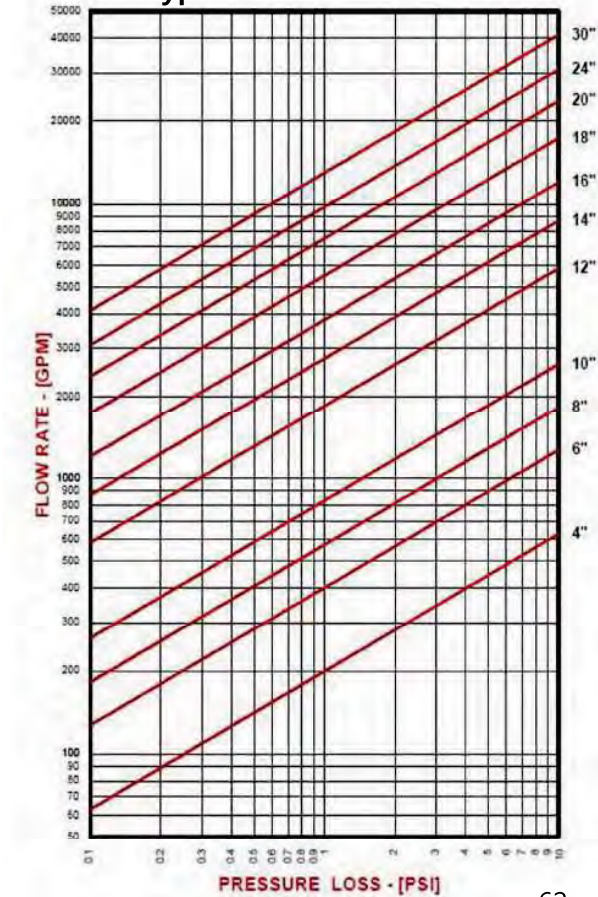
YC



Y45 Type



T60R Type



ASME B16.5 & B16.47A/B FLANGE WEIGHT(kg)

size	Flange Weight(kg)																										
	#150						#300						#600						#900				#1500		#2500		
	B16.5 & B16.47.A			B16.47.B			B16.5 & B16.47.A			B16.47.B			B16.5 & B16.47.A			B16.47.B			B16.5/16.47.A		B16.47.B		B16.5		B16.5		
	SOH	WN	BL	WN	BL	SOH	WN	BL	WN	BL	SOH	WN	BL	WN	BL	WN	BL	WN	BL	WN	BL	WN	BL	WN	BL	WN	BL
1"	0.9	1.1	0.9			1.4	1.6	1.4			1.7	1.9	1.8			3.9	4.1			3.9	4.1	5	5.4				
1 1/2"	1.4	1.8	1.6			2.5	3.1	2.7			3.1	3.6	3.4			5.9	5.9			5.9	5.9	11	10.4				
2"	2	3	3			2.8	3	3			4	5	4			11	11			11	11	19	18				
2 1/2"	3	4	4			4.3	5	5			5	6	7			16	16			16	16	24	25				
3"	4	5	5			5.8	7	7			7	8	9			15	13			22	22	43	39				
4"	6	7	7			10.1	11	12			15	17	19			23	25			31	33	64	60				
5"	6	9	9			12.6	15	16			29	31	31			39	39			59	60	111	101				
6"	7	11	11			16.0	20	21			36	37	38			50	52			75	75	176	157				
8"	12	18	20			24.5	30	35			44	51	62			79	89			124	137	261	241				
10"	17	25	29			34.2	44	55			76	86	102			118	132			206	230	484	465				
12"	28	39	44			51.3	64	79			98	103	132			157	187			306	316	692	664				
14"	35	52	59			72.1	88	107			102	122	158			182	224			416	421						
16"	42	64	77			90.4	113	139			150	177	225			225	272			568	559						
18"	50	75	95			109	138	177			180	216	285			309	386			736	761						
20"	66	89	123			136	167	223			232	268	365			377	488			929	967						
22"		110	129				184	229				278	367			399	488			853	1009						
24"	91	122	188			204	235	342			330	372	534			685	905			1504	1568						
26"		136	318	54	169		274	489	181	411		426	798	249	542	692	1164	476	991								
28"		156	378	64	206		338	596	204	464		481	935	295	647	821	1442	689	1253								
30"		181	445	68	246		395	700	249	567		549	1099	367	817	962	1705	826	1512								
32"		229	561	77	294		456	814	311	706		624	1295	431	979	1154	2060	937	1753								
34"		245	628	95	355		519	938	340	780		699	1468	547	1200	1347	2461	1111	2076								
36"		290	760	109	404		578	1105	381	871		773	1725	608	1367	1540	2816	1143	2251								
38"		327	825	132	494		315	908	415	1024		667	1544	667	1544	1535	2836	1535	2836								
40"		352	925	141	566		381	1080	449	1156		739	1741	739	1741	1642	3148	1642	3148								
42"		404	1,080	156	632		431	1219	515	1305		921	2080	921	2080	1796	3481	1796	3481								
44"		449	1,232	168	716		479	1397	560	1499		980	2316	980	2316	1950	4061	1950	4061								
46"		481	1,343	197	827		560	1587	667	1708		1093	2612	1093	2612	2105	4729	2105	4729								
48"		538	1,519	218	928		626	1767	714	1897		1295	3056	1295	3056	2259	5170	2259	5170								
50"		576	1686	236	1036		694	2015	776	2100		1510	3490	1510	3490												
52"		640	1885	249	1155		753	2225	835	2312		1615	3822	1615	3822												
54"		719	2104	281	1292		930	2578	898	2575		1778	4233	1778	4233												
56"		798	2328	295	1426		977	2766	1177	3013		1941	4776	1941	4776												
58"		869	2574	354	1615		1030	3025	1256	3333		2105	5177	2105	5177												
60"		928	2791	386	1775		1120	3299	1302	3620		2268	5946	2268	5946												

Conversion of UNIT

(1) Length			
cm	m	in	ft
1	0.01	0.3937	0.03281
100	1	39.37	3.281
2.54	0.0254	1	0.08333
30.48	0.3048	12	1

(2) Area			
cm ²	m ²	in ²	ft ²
1	0.0001	0.155	0.001076
1×10 ⁴	1	1550	10.76
6.452	0.000645	1	0.006944
929	0.0929	144	1

(3) Volume			
cm ³	m ³	in ³	ft ³
1	1.00E-06	0.06102	0.00003531
1.00E+06	1	61020	35.31
16.39	0.00001639	1	0.0005787
28320	0.02832	1728	1

(4) Volume			
m ³	gal(UK)	gal(US)	ℓ
1	220	264.2	1000
0.004546	1	1.201	4.546
0.003785	0.8327	1	3.785
0.001	0.22	0.2642	1
1gal(US)=231in ³ , 1ft ³ =7.48 gal(US)			

(5) Mass				
kg	t	lb	ton	sh tn
1	0.001	2.20462	0.0009842	0.0011023
1000	1	2204.62	0.9842	1.1023
0.45359	0.00045359	1	0.0004464	0.00055
1016.05	1.01605	2240	1	1.12
907.185	0.907185	2000	0.89286	1

(6) Density			
g/cm ³	kg/m ³	lb/in ³	lb/ft ³
1	1000	0.03613	62.43
0.001	1	0.00003613	0.06243
27.68	27680	1	1728
0.01602	16.02	0.0005787	1
1g/cm ³ = 1t/m ³			

(8) Pressure						
kgf/cm ²	bar	Pa	atm	mH ₂ O	mHg	lbf/in ²
1	0.980665	98,066.5	0.9678	10	0.7356	14.22
1.0197	1	100,000	0.9869	10.197	0.7501	14.5
0.0000102	0.00001	1	0.000009869	0.00010197	0.000007501	0.000145
1.0332	1.01325	101,325	1	10.33	0.76	14.7
0.1	0.09806	9,806.65	0.09678	1	0.07355	1.422
1.3595	1.3332	133,320	1.3158	13.6	1	19.34
0.07031	0.06895	6,895	0.06805	0.7031	0.05171	1
1 Pa = 1 N/m ² , 1 bar= 1E5 Pa, 1lbf/in ² = 1 psi, 1 Pa = 7.5 E-3 torr						
1ksi = 1000psi (ksi : kips per square inch)						