



BUCKET STRAINER BS01.M201 WELDED CONSTRUCTION DESIGN



**Simplex Basket Strainers
Duplex Basket Strainers**

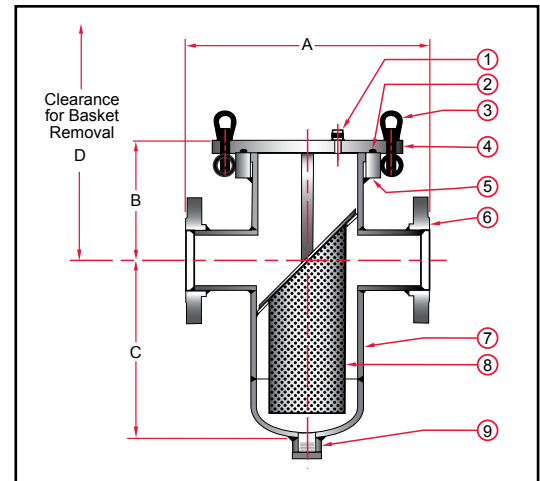
Fabricated Basket Strainers



BS01.07
Body : Cast Steel

BS01.04/05
Body : SS304/316

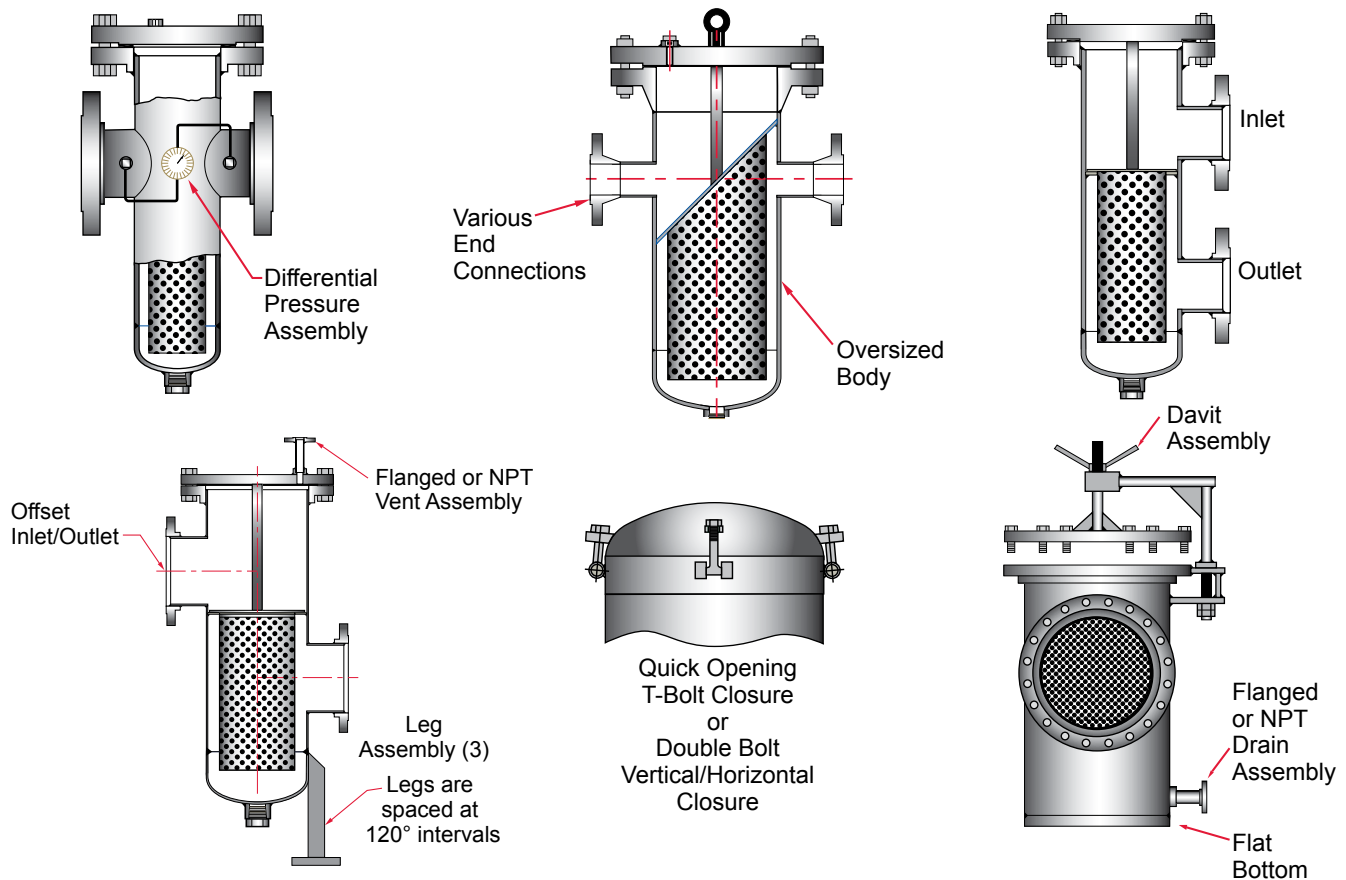
Quick Opening Eye Bolt
(Optional)



Dimensions (Inches)						
Size			A	B	C	D
Inches	Prefix	Body				
2	0200	6	12	7	11	22
2 1/2	0250	6	12	7 1/2	11	25
3	0300	6	12	7 7/8	13	26
4	0400	8	14 7/8	8 5/8	13	27
5	0500	8	14 7/8	9 3/8	17	31 1/2
6	0600	10	18 3/4	10 5/16	20	36
8	0800	12	20 1/8	11 7/8	23	40 3/4
10	1000	14	25 3/8	13 1/4	26	46
12	1200	16	27 5/8	16 5/16	29	55
14	1400	18	29 1/8	17 3/8	32	60
16	1600	20	33 5/8	19	34	64
18	1800	24	38 5/8	20 3/4	39	70
20	2000	24	38 5/8	21 5/8	39	72
24	2400	30	46	24 5/8	45	83

Fabricated Basket Strainers

Custom Strainer Options



Optional Features

- Quick opening covers
- Body materials of Stainless Steel or special alloys
- Custom Baskets of 316SS, Monel, and special alloys
- Davit Assembly
- Various end connections available including Weld Neck Flanges, Socket Weld and Ring Type Joint connections
- Larger sizes available
- Single or multiple baskets
- Oversized body design to reduce pressure drop
- Automatic air vent
- Pressure gauges or differential pressure switches
- Special internal and external coatings
- Many codes and designs are available

Special Construction

- Backwash connections
- High pressure Class 600, Class 900, Class 1500 and Class 2500
- Special perf or mesh as low as 5 microns

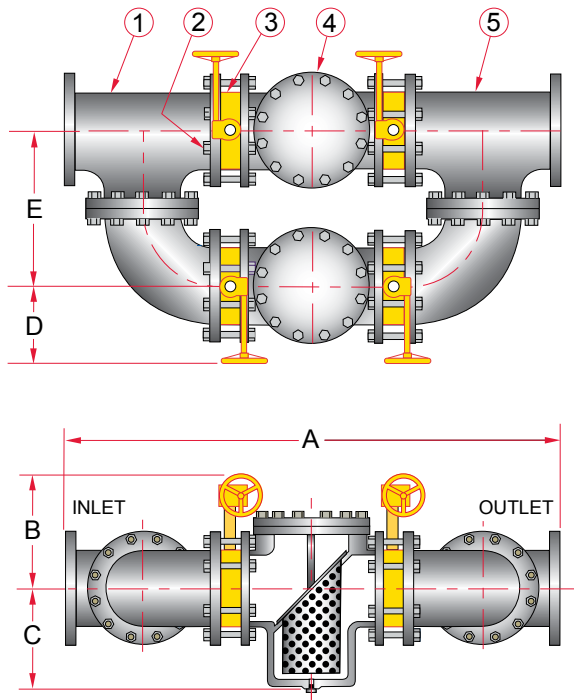


Fabricated Dual Basket Strainers



Fabricated Dual Basket Strainers

Bolted Dual Basket Strainer Cast Steel



Dimensions (Inches)						
Size		A	B	C	D	E
Inches	Prefix					
2	0200	29 1/2	11	5	6	9 1/8
2 1/2	0250	31 7/8	11	5 3/8	6	10 1/8
3	0300	35 1/2	11	6 1/2	6	11 1/8
4	0400	41 5/8	11 7/8	8	6	13 1/8
5	0500	47 1/2	11 7/8	8	6 1/8	15 1/8
6	0600	52	11 11/16	8 5/8	6 1/8	16 1/8
8	0800	61	17 1/16	11 3/4	9	18 1/8
10	1000	70 3/4	10 1/2	13 3/4	11	22 1/8
12	1200	83	13 1/16	16 3/8	11	24 1/8
14	1400	96 1/2	15 11/16	22 3/8	11	28 1/8
16	1600	104 3/4	16 11/16	23 5/8	11	30 1/8
18	1800	123 3/4	27 7/16	28	11	33 1/8
20	2000	124	29 11/16	32	11	36 1/8
24	2400	141 3/4	32 7/8	32 3/8	11	44 1/8

Larger sizes are available.

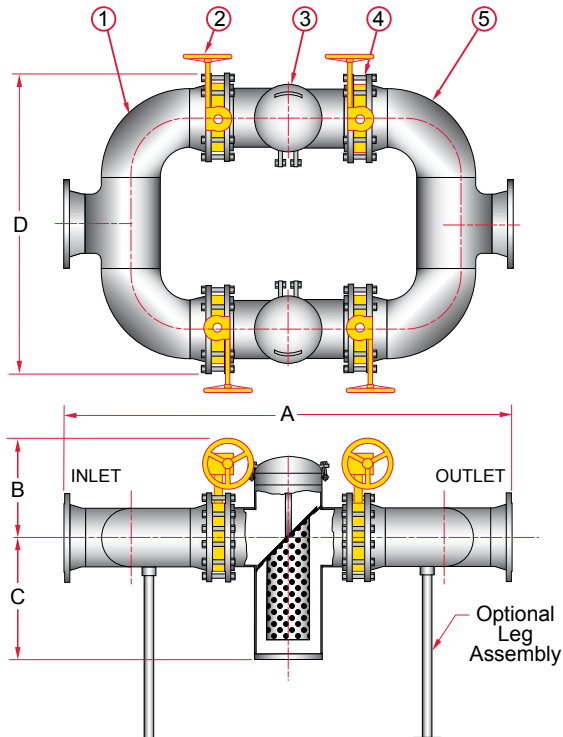
Construction	
Item	Description
1	Inlet Manifold
2	Bolting
3	Butterfly Valves
4	Strainers
5	Outlet Manifold

Notes:

Also available is our model BDBC125 with clamp covers. Consult factory for details.

Manufacturer reserves the right to modify dimensions, materials, or design. Consult factory for certification.

Fabricated Dual Basket Strainer Cast Steel / Stainless Steel



Dimensions (Inches)					
Size		A	B	C	D
Inches	Prefix				
2	0200	36 3/8	10 7/8	12 1/4	15
2 1/2	0250	40 5/8	11 3/8	12 3/4	18
3	0300	42 1/2	11 5/8	12 3/4	20 1/4
4	0400	48 3/8	12 3/8	14 5/16	25 1/4
6	0600	61 5/8	13 1/2	17 3/8	34 1/4
8	0800	72 3/4	17 3/4	21 5/8	43 1/2
10	1000	90 1/2	18 7/8	25 7/8	53
12	1200	103 1/8	20 1/2	28	63
14	1400	111 5/8	23 1/2	34 1/8	71
16	1600	126	29	36	79 1/2
18	1800	135 1/2	30	40 1/4	88
20	2000	145 3/4	32	45 1/8	97 1/2
24	2400	171 7/8	36	61 1/2	114

Larger sizes are available.

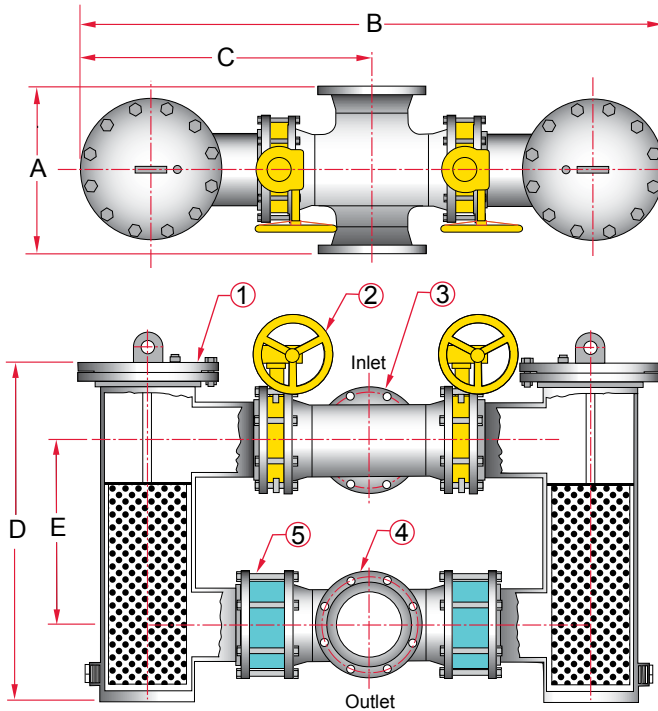
Construction	
Item	Description
1	Inlet Manifold
2	Butterfly Valves
3	Strainers
4	Check Valves
5	Outlet Manifold

Notes:

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Fabricated Dual Basket Strainers

Short Face to Face Dual Basket Assembly



		Dimensions (Inches)				
Size		A	B	C	D	E
Inches	Prefix					
2	0200	10	35 3/8	17 11/16	21	10
2 1/2	0250	11 1/2	37 1/8	18 9/16	22 1/2	10
3	0300	12 1/4	38 1/4	19 1/8	23	10
4	0400	14 1/4	45 1/8	22 9/16	27 1/2	11
5	0500	16 3/4	52 7/8	26 7/16	30	12
6	0600	18 1/4	54 7/8	27 7/16	32	13
8	0800	22	64 3/8	32 3/16	37	15
10	1000	25	74	37	42	18
12	1200	29	83 1/2	41 3/4	47 1/2	21
14	1400	32	91 5/8	45 13/16	52	23
16	1600	34	97 7/8	48 15/16	54	25
18	1800	38	108 7/8	54 7/16	60	27
20	2000	41 3/8	123 5/8	61 13/16	65	29
24	2400	46	144	77	74	34

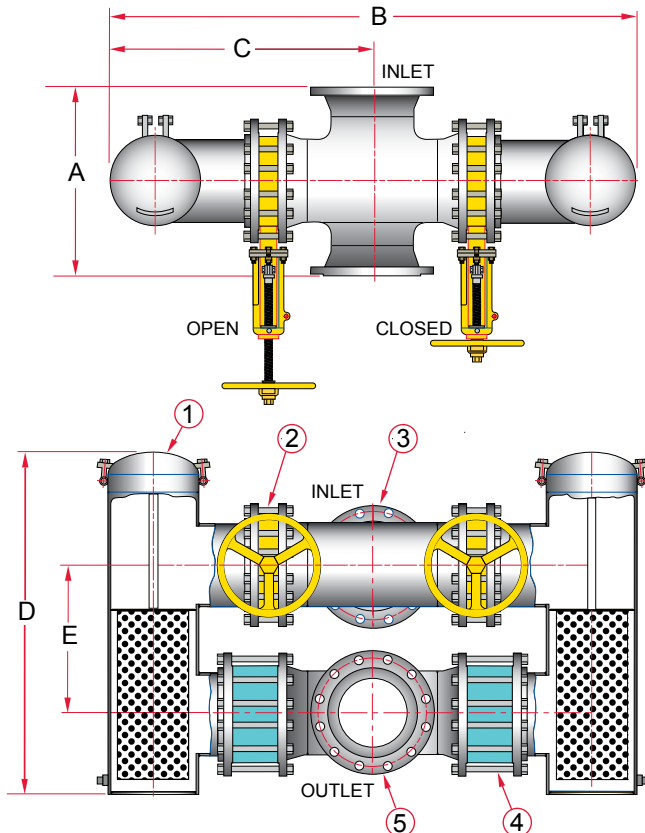
Larger sizes are available.

Construction	
Item	Description
1	Strainer Assemblies
2	Butterfly Valves
3	Inlet Manifold
4	Outlet Manifold
5	Check Valves

Notes:

Manufacturer reserves the right to modify dimensions, materials, or design. Consult factory for certification.

Knife Gate Operated Dual Basket Assembly



		Dimensions (Inches)				
Size		A	B	C	D	E
Inches	Prefix					
2	0200	10	33 1/2	16 3/4	23 5/8	10
2 1/2	0250	11 1/2	35	17 1/2	24 5/8	10
3	0300	12 1/4	37 1/8	18 9/16	24 7/8	10
4	0400	14 1/4	39 1/2	19 3/4	27 5/8	11
5	0500	16 3/4	47	23 1/2	30	12
6	0600	18 1/4	50 3/8	25 3/16	32	13
8	0800	22	61	30 1/2	37 3/8	15
10	1000	25	70	35	43 5/8	18
12	1200	29	79 1/4	39 5/8	50	21
14	1400	32	87	43 1/2	54 5/8	23
16	1600	34	94	47	60 5/8	25
18	1800	38	102	51	65	27
20	2000	41 3/8	117 3/4	58 7/8	71	29
24	2400	46	134 1/2	67 1/4	80 5/8	34

Larger sizes are available.

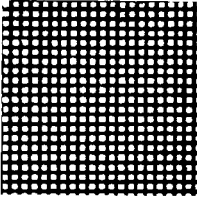
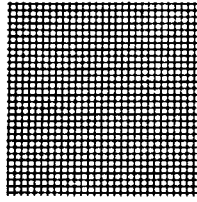
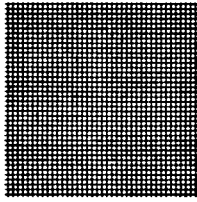
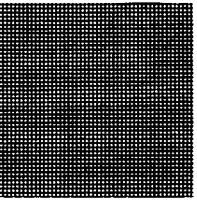
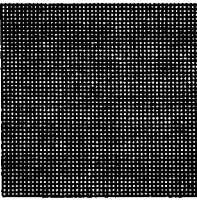
Construction	
Item	Description
1	Quick Open Strainer Assembly
2	Knife Gate Valves
3	Inlet Manifold
4	Check Valves
5	Outlet Manifold

Notes:

Manufacturer reserves the right to modify dimensions, materials, or design. Consult factory for certification.

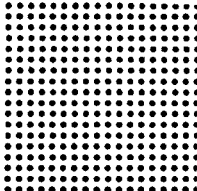
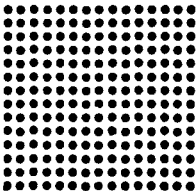
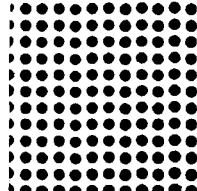
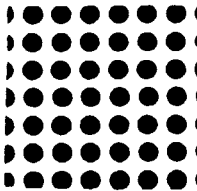
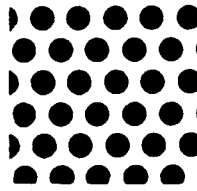
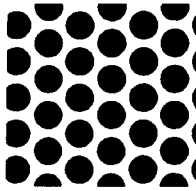
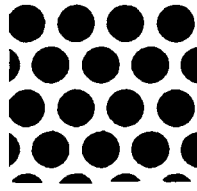
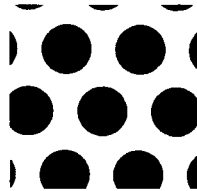
Perforated Material and Mesh

Mesh (Available In All Materials)

1/32" Openings	1/50" Openings	1/64" Openings	0.009" Openings	0.007" Openings	0.005" Openings
					
20 Mesh (46% Open Area)	30 Mesh (41% Open Area)	40 Mesh (36% Open Area)	60 Mesh (31% Open Area)	80 Mesh (31% Open Area)	100 Mesh (30% Open Area)

Mesh sizes other than shown - available on request

Perforated Plate (Available In All Materials)

1/32" Dia. (0.032)	3/64" Dia. (0.045)	1/16" Dia. (0.062)	3/32" Dia. (0.094)
			
324 Holes/Sq. In. (28% Open Area)	225 Holes/Sq. In. (36% Open Area)	144 Holes/Sq. In. (41% Open Area)	47 Holes/Sq. In. (33% Open Area)
1/8" Dia. (0.125)	5/32" Dia. (0.156)	3/16" Dia. (0.188)	1/4" Dia. (0.25)
			
32 Holes/Sq. In. (41% Open Area)	33 Holes/Sq. In. (63% Open Area)	18 Holes/Sq. In. (51% Open Area)	8 Holes/Sq. In. (42% Open Area)

Mesh to Inch to Micron Conversion Chart

Meshes/Lineal Inch US and ASTM	Actual Opening	
Std. Sieve No.	Inches	Microns
10	.075	1905
12	.060	1524
14	.051	1295
16	.045	1143
18	.039	991
20	.034	864
24	.028	711
30	.020	508
35	.018	457
40	.015	381
50	.011	279

Meshes/Lineal Inch US and ASTM	Actual Opening	
Std. Sieve No.	Inches	Microns
60	.009	229
70	.008	203
80	.007	178
100	.006	152
120	.0046	117
130	.0043	109
140	.0042	107
150	.0041	104
160	.0038	97
170	.0035	89
180	.0033	84

Meshes/Lineal Inch US and ASTM	Actual Opening	
Std. Sieve No.	Inches	Microns
200	.0029	74
250	.0024	61
300	.0018	46
400	.0015	38
120 x 400	.0016	40
80 x 700	.0012	30
200 x 600	.0010	25
165 x 1400	.0007	17
200 x 1400	.0004	10
325 x 2300	.0002	5