

## Series 600 "S" Basket Strainers

The Series 600 "S" are simplex strainers. They are pressure vessels installed in a pipeline to remove unwanted solids from fluids. The Series 600 "S" are used in applications where flow can be interrupted for basket cleaning (duplex arrangements are available upon request).

The Series 600 "S" are designed with **.4 to .5 cu. ft. debris holding capacity** that allows for a longer run time. Along with a large holding capacity, they can also be used for very fine filtration by including a mesh liner. The incorporation of the swing bolt closure eliminates the use of any tools and also eliminates the need for nuts and bolts as in other designs in the market place.

Series Designations	
<b>602S</b>	8" - 30, Offset Nozzles, Outlet Near Top
<b>603S</b>	6" - 30, Offset Nozzles, Outlet Near Top
<b>603SM</b>	Miniature 6" - 30, Offset Nozzles, Outlet Near Top
<b>604S</b>	8" - 30, 2 pc/4 Leg Assembly, Outlet Near Middle
<b>605S</b>	8" - 30, 2 pc/4 Leg Assembly, Outlet Near Bottom

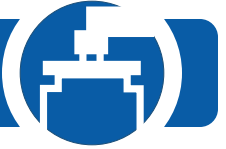


### STANDARD FEATURES:

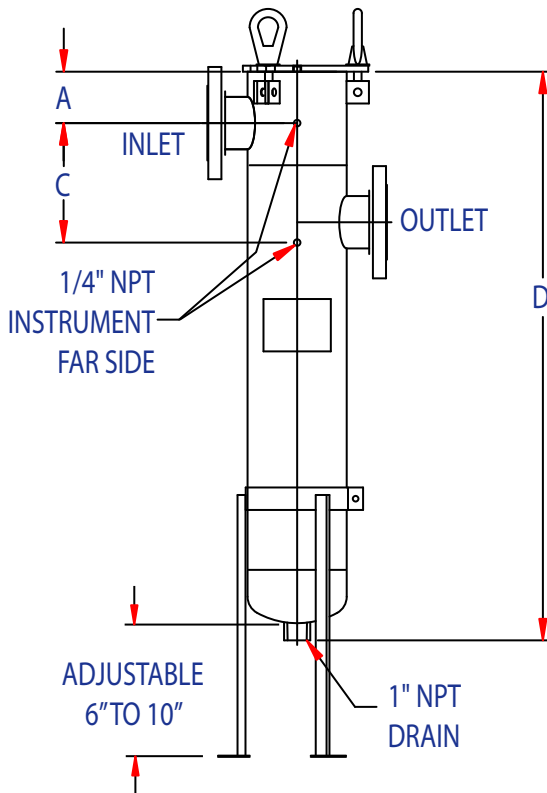
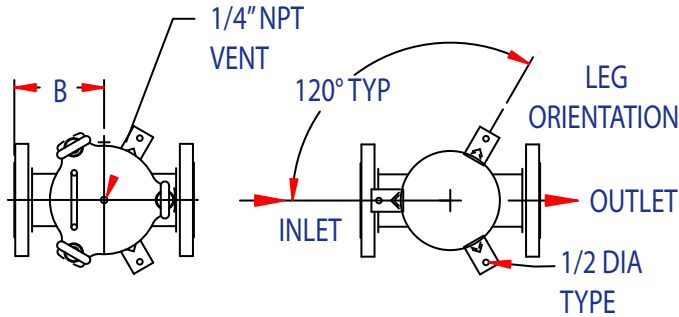
- Offset Connections
- Swing Bolt Closure
- Standard Housing Materials are carbon steel, 304 stainless steel, or 316 stainless steel
- Inlet/Outlet Connections are ANSI Flanges or NPT
- Vent and Drain Connections are NPT
- Two 1/4" NPT Instrument Connections
- Viton Seals
- Straining Basket: 3/32", 3/16", & 1/8" perforations, 304 or 316 stainless steel (Other perforations available upon request)
- Design Working Pressure: 150 psig
- Design Working Temperature: 250°F
- Designed, manufactured, and tested generally in accordance with ASME Section VIII, Division 1 with welders qualified to Section IX

### OPTIONS:

- ANSI flanges for vent and drain connections
- Baskets are available in other materials, perforations, and meshes
- Other design pressures and temperatures are available upon request
- U-Stamp



## Series 600 "S" Basket Strainers

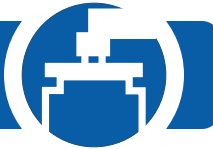


**Note:** Dimensions subject to change without notice. Apply for certified drawings.

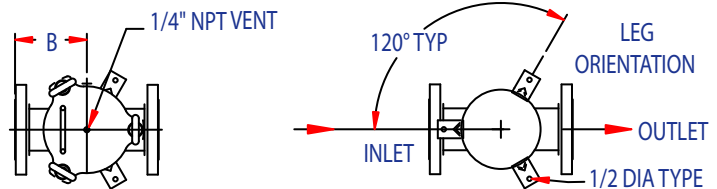
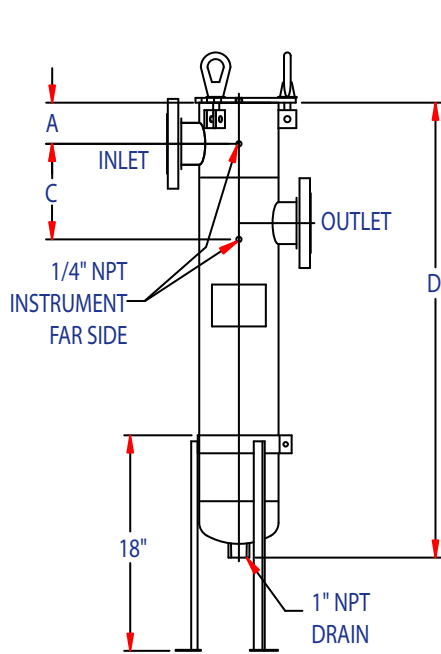


**602S with Insulation Retainer**

Series 602S (8-30)					
Size	A	B	C	D	WT APPROX
1 1/2" 25.4 mm	7 1/2" 190.5 mm	7 1/2" 190.5 mm	6" 152.4 mm	35 1/2" 901.7 mm	105 lbs 48 kg
2" 50.8 mm	7 1/2" 190.5 mm	7 1/2" 190.5 mm	6" 152.4 mm	35 1/2" 901.7 mm	110 lbs 50 kg
2 1/2" 63.5 mm	7 1/2" 190.5 mm	7 1/2" 190.5 mm	6 5/8" 167.6 mm	35 1/2" 901.7 mm	115 lbs 52 kg
3" 72.6 mm	7 1/2" 190.5 mm	7 1/2" 190.5 mm	8" 203.2 mm	35 1/2" 901.7 mm	120 lbs 54 kg
4" 101.6 mm	7 1/2" 190.5 mm	8 5/8" 218.4 mm	8 3/8" 213.4 mm	35 1/2" 901.7 mm	135 lbs 61 kg
6" 152.4 mm	9.0" 228.6 mm	8 5/8" 218.4 mm	9" 228.6 mm	37" 939.8 mm	150 lbs 68 kg

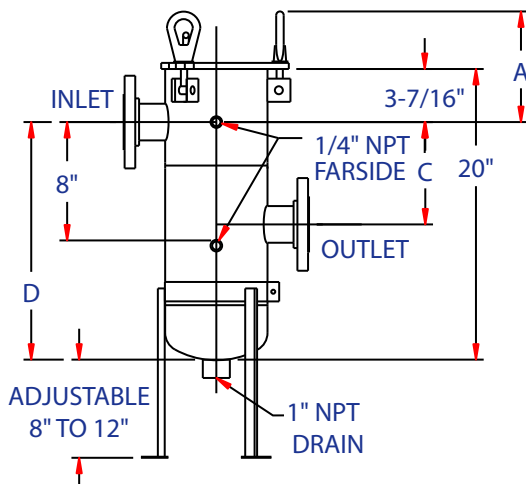
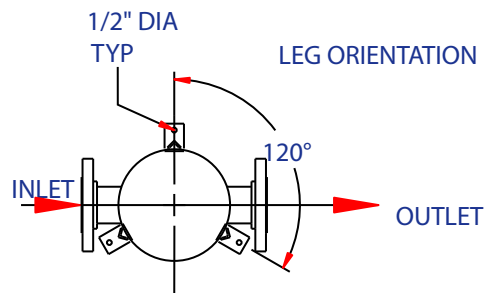
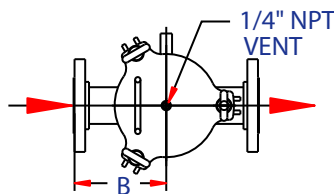


## Series 603S & Series 603SM Basket Strainers



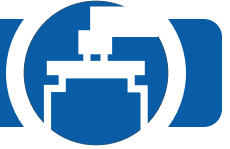
Series 603S (6-30)					
Size	A	B	C	D	WT APPROX
1"	6 5/16"	6"	4 3/8"	34 1/2"	84 lbs 38 kg
1 1/4"	6 5/16"	6"	4 3/4"	34 1/2"	84 lbs 38 kg
1 1/2"	6 5/16"	6"	4 3/4"	34 1/2"	84 lbs 38 kg
2"	7 1/8"	6"	6 5/8"	34 1/2"	89 lbs 40 kg
3"	7 1/8"	6"	6 5/8"	34 1/2"	99 lbs 45 kg

**Note:** Dimensions subject to change without notice. Apply for certified drawings.

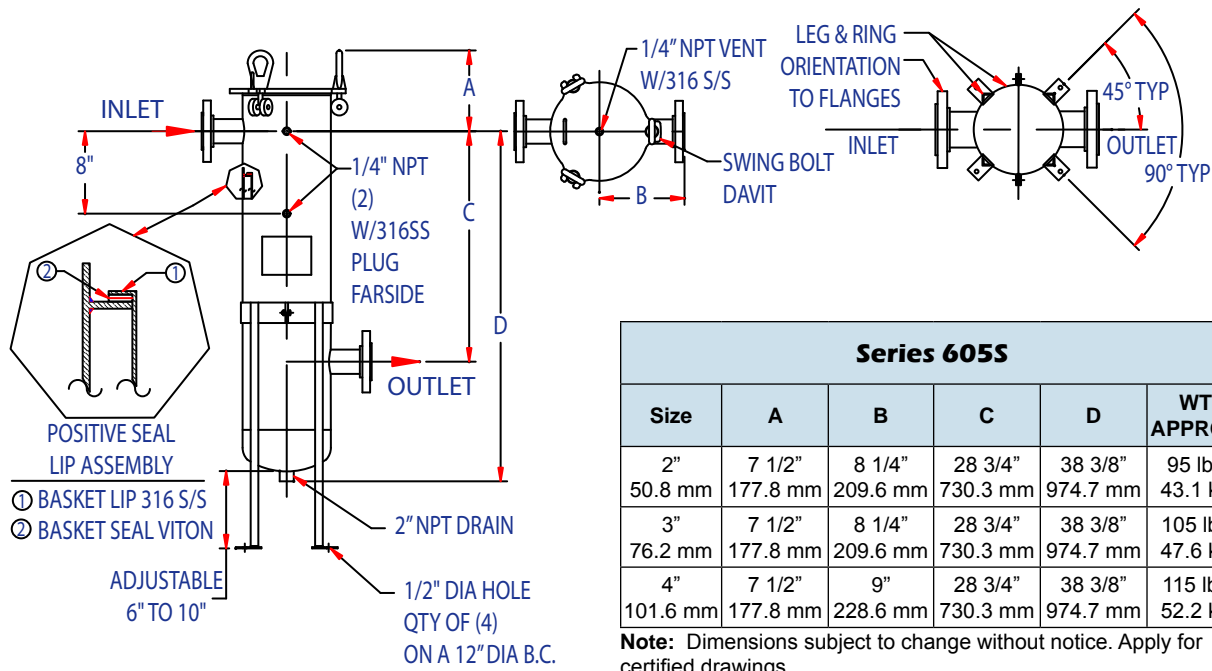
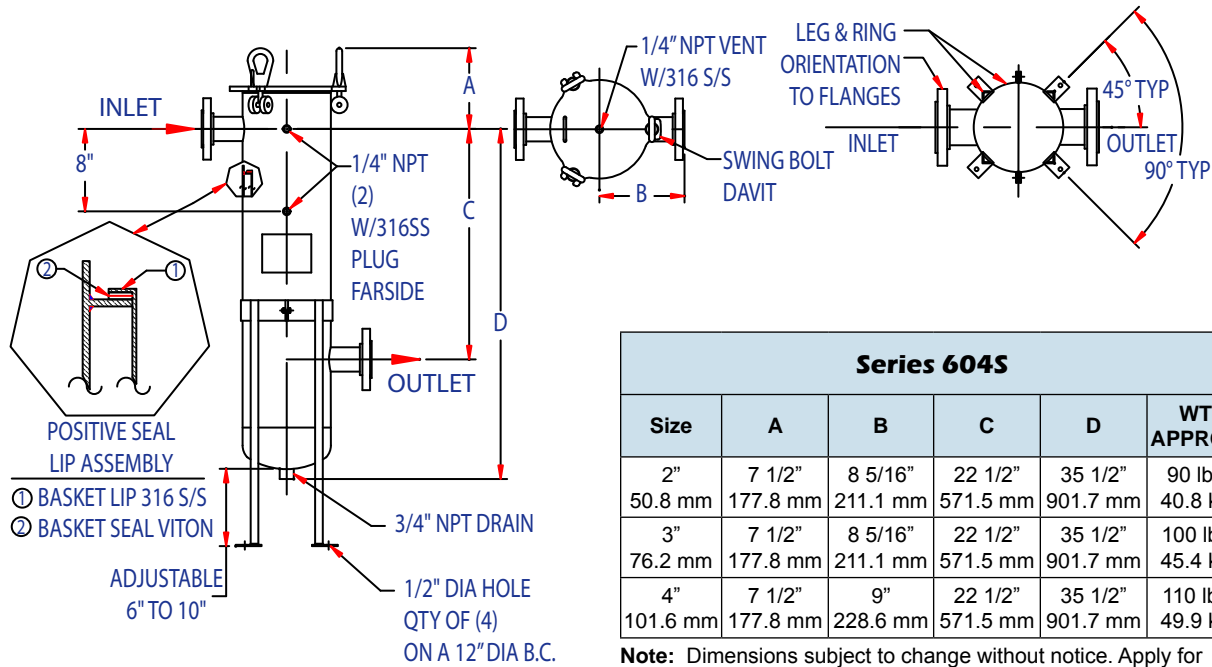


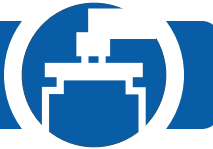
Series 603SM					
Size	A	B	C	D	WT APPROX
1"	6 1/2"	6"	6 5/8"	17 3/4"	78 lbs 35.4 kg
1 1/2"	6 1/2"	6"	6 5/8"	17 3/4"	80 lbs 36.3 kg
2"	6 1/2"	6"	6 5/8"	17 3/4"	85 lbs 38.5 kg

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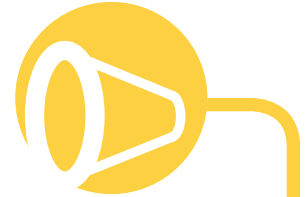
## Series 604S & Series 605S Basket Strainers





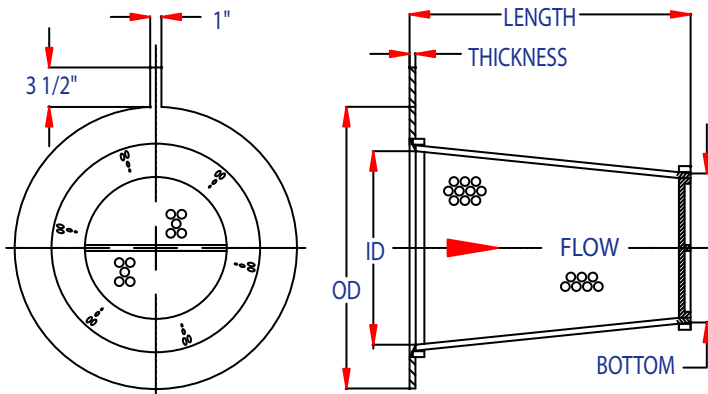
## BSS & BSL Basket Strainers

**Short (150% Open Area) and Long (200% Open Area) Design**

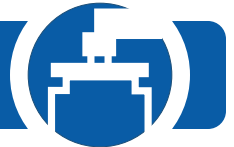


The Fluid Engineering Series BSS and BSL Inline Basket Strainers offer an inexpensive solution to debris removal problems in a pipeline. This device fits directly into the pipeline between the two mating flanges. The Series BSS and BSL offer a low pressure drop and retain a large volume of solids. Stiffeners are used on the bottoms of baskets, 2" and larger, to minimize distortion if a high pressure differential were to develop due to high levels of loading and clogging. Standard material is 304 stainless steel. Also, 316 stainless steel and monel are available on application.

Other size perforations are available (1/16" through 1/2"), please consult the factory or your local sales representative.



Mesh Screen	Micron	Open Area %
STD perf 5/32	3969	58.0
20 x 20	864	46.2
40 x 40	381	36.0
60 x 60	229	30.5
80 x 80	178	31.4
100 x 100	165	42.3
150 x 150	104	37.4
200 x 200	69	29.1
250 x 250	61	36.0
300 x 300	46	29.7
400 x 400	38	36.0



## BSS & BSL Basket Strainers

**Short (150% Open Area) and  
 Long (200% Open Area) Design**

SIZE	O.D. RAISED FACE ANSI FLANGE				ID	Model BSS Length	Model BSL Length	Flange Thickness	WEIGHTS	
	150 lb.	300 lb.	600 lb.	900 lb.					BSS	BSL
3/4" 20 mm	2-1/8" 54.0 mm	2-1/2" 63.5 mm	2-1/2" 63.5 mm	2-5/8" 66.7 mm	5/8" 15.9 mm	2" 50.8 mm	3" 76.2 mm	11 GA	1/2 lbs. .23 kg.	1/2 lbs. .23 kg.
1" 25 mm	2-1/2" 63.5 mm	2-3/4" 69.9 mm	2-3/4" 69.9 mm	3" 76.2 mm	7/8" 22.2 mm	2-1/2" 63.5 mm	3-1/2" 88.9 mm	11 GA	1/2 lbs. .23 kg.	1/2 lbs. .23 kg.
1-1/4" 32 mm	2-7/8" 73.0 mm	3-1/8" 79.4 mm	3-1/8" 79.4 mm	3-1/4" 82.6 mm	1" 25.4 mm	3-1/2" 88.9 mm	5" 127.0 mm	11 GA	1/2 lbs. .23 kg.	1/2 lbs. .23 kg.
1-1/2" 40 mm	3-1/8" 79.4 mm	3-1/2" 88.9 mm	3-1/2" 88.9 mm	3-3/4" 95.3 mm	1-1/4" 31.8 mm	4" 101.6 mm	5-1/2" 139.7 mm	11 GA	7/10 lbs. .32 kg.	7/10 lbs. .32 kg.
2" 50 mm	3-7/8" 98.4 mm	4-1/8" 104.8 mm	4-1/8" 104.8 mm	5-1/2" 139.7 mm	1-3/4" 44.5 mm	4-1/2" 114.3 mm	6" 152.4 mm	11 GA	4/5 lbs. .36 kg.	4/5 lbs. .36 kg.
2-1/2" 65 mm	4-5/8" 117.5 mm	4-7/8" 123.8 mm	4-7/8" 123.8 mm	6-3/8" 161.9 mm	2-1/4" 57.2 mm	4-3/4" 120.7 mm	6-1/2" 165.1 mm	11 GA	1 lbs. .45 kg.	1 lbs. .45 kg.
3" 80 mm	5-1/8" 130.2 mm	5-5/8" 142.9 mm	5-5/8" 142.9 mm	6-1/2" 165.1 mm	2-3/4" 69.9 mm	5" 127.0 mm	7" 177.8 mm	11 GA	1-1/4 lbs. .57 kg.	1-1/2 lbs. .68 kg.
3-1/2" 90 mm	6-1/8" 155.6 mm	6-1/8" 155.6 mm	6-1/4" 158.8 mm	--	3-1/4" 82.6 mm	5-1/2" 139.7 mm	7-1/2" 190.5 mm	11 GA	1-3/8 lbs. .62 kg.	1-5/8 lbs. .74 kg.
4" 100 mm	5-5/8" 142.9 mm	6-7/8" 174.6 mm	7-3/8" 187.3 mm	8" 203.2 mm	3-1/2" 88.9 mm	6" 152.4 mm	8" 203.2 mm	11 GA	1-1/2 lbs. .68 kg.	1-3/4 lbs. .79 kg.
5" 125 mm	7-1/2" 190.5 mm	8-1/4" 209.6 mm	9-1/4" 235.0 mm	9-5/8" 244.5 mm	4-5/8" 117.5 mm	6-1/2" 165.1 mm	8-1/2" 215.9 mm	11 GA	1-3/4 lbs. .79 kg.	2 lbs. .91 kg.
6" 150 mm	8-1/2" 215.9 mm	9-5/8" 244.5 mm	10-1/4" 260.4 mm	11-1/4" 285.8 mm	5-1/2" 139.7 mm	7" 177.8 mm	9" 228.6 mm	11 GA	2-1/2 lbs. 1.1 kg.	3-1/2 lbs. 1.6 kg.
8" 200 mm	10-3/4" 273.1 mm	11-7/8" 301.6 mm	12-3/4" 323.9 mm	14" 355.6 mm	7-1/8" 181.0 mm	8-1/2" 215.9 mm	12" 304.8 mm	11 GA	4-1/2 lbs. 2.0 kg.	6 lbs. 2.7 kg.
10" 250 mm	13-1/8" 333.4 mm	14" 355.6 mm	15-1/2" 393.7 mm	17" 431.8 mm	9" 228.6 mm	10" 254.0 mm	14" 355.6 mm	11 GA	6 lbs. 2.7 kg.	7-1/2 lbs. 3.4 kg.
12" 300 mm	15-7/8" 403.2 mm	16-3/8" 415.9 mm	17-3/4" 450.9 mm	19-1/2" 495.3 mm	10-7/8" 276.2 mm	12" 304.8 mm	16-1/2" 419.1 mm	11 GA	8 lbs. 3.6 kg.	11 lbs. 5.0 kg.
14" 350 mm	17-1/2" 444.5 mm	18-7/8" 479.4 mm	19-1/8" 485.8 mm	20-3/4" 527.1 mm	12-5/8" 320.7 mm	13" 330.2 mm	17" 431.8 mm	11 GA	10 lbs. 4.5 kg.	12 lbs. 5.4 kg.
16" 400 mm	20" 508.0 mm	21" 533.4 mm	22" 558.8 mm	22-1/2" 571.5 mm	14-1/2" 368.3 mm	14" 355.6 mm	20" 508.0 mm	11 GA	12 lbs. 5.4 kg.	16 lbs. 7.3 kg.
18" 450 mm	21-3/8" 542.9 mm	23-1/4" 590.6 mm	23-7/8" 606.4 mm	25" 635.0 mm	16-3/8" 415.9 mm	16" 406.4 mm	22" 558.8 mm	11 GA	15 lbs. 6.8 kg.	21 lbs. 9.5 kg.
20" 500 mm	23-5/8" 600.1 mm	25-1/2" 647.7 mm	26-5/8" 676.3 mm	--	18-3/8" 466.7 mm	18" 457.2 mm	25" 635.0 mm	11 GA	20 lbs. 9.1 kg.	26 lbs. 11.8 kg.
24" 600 mm	28" 711.2 mm	30-1/4" 768.4 mm	30-7/8" 784.2 mm	--	22-3/8" 568.3 mm	21" 533.4 mm	30" 762.0 mm	11 GA	27 lbs. 12.2 kg.	38 lbs. 17.2 kg.
30" 750 mm	34-1/4" 870.0 mm	37-1/8" 943.0 mm	37-3/4" 958.9 mm	--	28-1/2" 723.9 mm	30" 762.0 mm	40" 1016.0 mm	11 GA	42 lbs. 19.1 kg.	56 lbs. 25.4 kg.

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**"Engineered Products for Demanding Applications, Performance, and Service"**