

C-1069

## Fulflo® Basket Strainers

### Effective Large Particle Removal With Fulflo® Basket Strainers

Fulflo basket strainers effectively remove large-sized particles ranging from US Mesh 20 to 100 (840µm to 149µm) from liquids with viscosities of up to 15,000 SSU. Parker basket strainers are useful as prefilters for the collection of gross contaminants.



### Benefits

- Available in two standard sizes to fit all Fulflo bag filter vessels
- Each strainer constructed of 316 stainless steel and features a permanent handle for easy installation, removal and cleaning
- Fulflo strainer vessels designed for maximum operating pressures of up to 150 psi (9.0 bar) and high flow rates
- Cleanable permanent media
- Optional ratings available down to 550 mesh (25 micron)
- Five standard ratings available from 20 to 100 mesh.

### Applications

- Discharge Water
- Process Water
- Coolants
- Cutting Oils
- Inks
- Lubricants
- Paints
- Resins
- Solvents
- Bulk Chemicals
- Parts Washing Systems
- Adhesives



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## Specifications

### Maximum Operating Pressure Differential:

150 psid (10.3 bar)

### Length: (Basket Only)

Single = 14-3/4 in (37 cm)  
Double = 27-3/4 in (70 cm)

### Length: (Including Handle)

Single = 18-3/4 in (47 cm)  
Double = 31-3/4 in (80 cm)

### Outer Diameter:

Single = 7-7/16 in (19 cm)  
Double = 7-7/16 in (19 cm)

### Basket Capacity:

Single = 2.2 gal (8.3 liters)  
Double = 4.3 gal (16.3 liters)

### Weight:

Single = 5.4 lbs (2 kg)  
Double = 9.4 lbs (4.3 kg)

### Mesh Surface Area:

Single = 2.3 ft<sup>2</sup> (2139 cm<sup>2</sup>)  
Double = 4.2 ft<sup>2</sup> (3906 cm<sup>2</sup>)

### Pressure Drop Determination for Fulflo® Basket Strainers

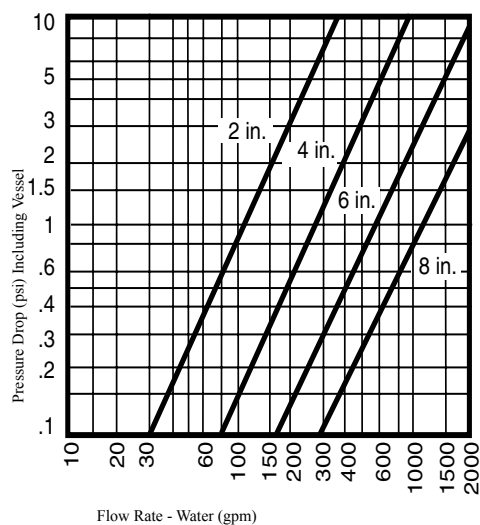
- From the pressure drop chart below, determine the pressure drop through the vessel using the known flow rate and inlet/outlet size. The chart is for water flowing through a vessel containing a clean 20 mesh basket.
- To determine the pressure drop for a vessel with other strainers, multiply the above value by the appropriate correction factor in the following table (water only):
- Correction factor for liquids other than water:
  - Multiply pressure drop for water, determined by completing steps 1 and 2, by the specific gravity of the liquid.
  - Multiply the results of "a" by the viscosity and mesh correction factor in the table at right.

### Mesh Correction Factors

Viscosity SSU	20 Mesh	40 Mesh	60 Mesh	80 Mesh	100 Mesh
500	1.6	1.9	2.1	2.4	2.6
1,000	1.7	2.2	2.4	2.6	2.8
2,000	1.9	2.4	2.7	2.9	3.2
3,000	2.0	2.6	2.9	3.2	3.5
5,000	2.2	3.0	3.5	4.0	4.5
10,000	2.5	3.5	4.2	5.0	6.0

### Water Correction Factor

20 Mesh	1.0
40 Mesh	1.2
60 Mesh	1.4
80 Mesh	1.6
100 Mesh	1.7



\*Vessel Port Size

## Ordering Information

### Strainer Baskets With Handles

Single Length, Stainless Steel	Part Number
1/8 in Perforations	0370-5177
20 Mesh (840µm)	0370-5059
40 Mesh (420µm)	0370-5060
60 Mesh (250µm)	0370-5061
80 Mesh (177µm)	0370-5062
100 Mesh (149µm)	0370-5063

Double Length, Stainless Steel	Part Number
1/8 in Perforations	0370-5156
20 Mesh (840µm)	0370-5064
40 Mesh (420µm)	0370-5065
60 Mesh (250µm)	0370-5066
80 Mesh (177µm)	0370-5067
100 Mesh (149µm)	0370-5068

Specifications are subject to change without notification.

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