

Fulflo® Basket Strainers

■ 316 Stainless Steel

Filter Bag and Media Strainer Series

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.

Applications

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



Features and 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.

Process Filtration Division



Filter Bag and Media Strainer Series

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 ft² (2139 cm²)
- Double = 4.2 ft² (3906 cm²)

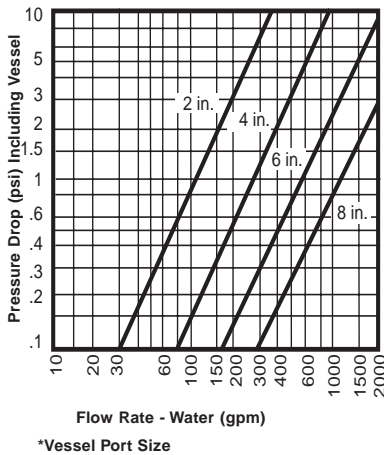
Pressure Drop Determination for Fulflo® Basket Strainers

1. 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.

2. 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):

3. Correction factor for liquids other than water:

- a. Multiply pressure drop for water, determined by completing steps 1 and 2, by the specific gravity of the liquid.
- b. Multiply the results of "a" by the viscosity and mesh correction factor in the table below.



Water Correction Factor	
20 Mesh	1.0
40 Mesh	1.2
60 Mesh	1.4
80 Mesh	1.6
100 Mesh	1.7

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

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

Process Filtration Division

Parker Hannifin Corporation
 Process Filtration Division
 6640 Intech Boulevard
 Indianapolis, Indiana 46278
 Toll Free 1-888-C-FULFLO (238-5356)
 Telephone (317) 275-8300
 Fax (317) 275-8410
<http://www.parker.com>

