

# **Effective Large Particle Removal** With Fulflo<sup>®</sup> 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

# Fulflo<sup>®</sup> Basket Strainers

316 Stainless Steel

# Filter Bag and Media Strainer Series



## 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**

WARNINGI FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. This document and other information from Parker Hannific Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection for the products and systems and assuring that all performance, safety and warning requirements of the application are met. ∕!∖



Length:

(Including Handle)

**Outer Diameter:** 

(water only):

20 Mesh

40 Mesh

60 Mesh

80 Mesh

100 Mesh

■ Single = 18-3/4 in (47 cm)

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

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

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

2. To determine the pressure drop for a

vessel with other strainers. multiply

the above value by the appropriate

Water Correction Factor

correction factor in the following table

1.0

1.2

1.4

1.6

1.7

## **Specifications**

#### Maximum Operating

Pressure Differential:

150 psid (10.3 bar)

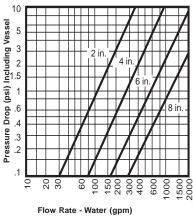
# Length:

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

**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.



\*Vessel Port Size

# **Ordering Information**

#### **Strainer Baskets With Handles**

Single Length, Stainless Steel Part Number		Double Length, Stainless Steel	Part Number
1/8 in Perforations 20 Mesh (840μm) 40 Mesh (420μm) 60 Mesh (250μm) 80 Mesh (177μm)	0370-5177 0370-5059 0370-5060 0370-5061 0370-5062	1/8 in Perforations 20 Mesh (840µm) 40 Mesh (420µm) 60 Mesh (250µm) 80 Mesh (177µm)	0370-5156 0370-5064 0370-5065 0370-5066 0370-5067
100 Mesh (149µm)	0370-5063	100 Mesh (149µm)	0370-5068

#### 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>)
- **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.

#### **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

### **Process Filtration Division**

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