

# DuoMESH

## Stainless Steel Lined Basket Filters



DuoMesh lined basket filters have been designed to be used in standard bag filter housings and to provide cost effective filtration for a wide range of applications.

The baskets are manufactured from 316L stainless steel mesh so can be cleaned and reused time and time again. DuoMesh basket filters are available in a range of removal ratings from 50–2000µm so can be used for fine, medium or coarse clarification or as a prefilter to finer filters downstream. They are available as single, double or triple length baskets and in different diameters.



### Product Features

- Robust construction in 316L stainless steel
- Available in single or triple layer mesh providing removal ratings from 50 to 2000µm
- Can be supplied as single, double or triple length baskets
- Range of collar sizes available
- Offered with a handle to aid removal from housing
- Consistent and reliable performance under a wide range of process conditions

### Filter Housings

Amazon Filters manufacture a comprehensive range of filter housings for the DuoMesh baskets. These can be manufactured from a range of metals and in different sizes so can be supplied to suit all flow rates. Please consult our Sales Office for further details on these ranges.



## Features and Benefits

- Available in a range of removal ratings so suitable for a wide range of filtration applications
- 316L construction offers wide chemical and process compatibility
- Offered with a handle to aid removal from housing

## Industries and Applications

**Food and Beverage**  
**Pharmaceutical**  
**Fine Chemicals**  
**Water Treatment**  
**Coatings**

- General process water
- Particulate removal from creams, lotions and gels, solids recovery
- Polymers, acids, bases, solvents
- Raw water filtration
- Paints, inks, resins and varnishes



**AMAZON**

# DuoMesh Technical Data

## Maximum Operating Conditions

Temperature: 200°C

Recommended Maximum Differential Pressure: 5 Bar g

## Materials of Construction

316L Stainless Steel

50 and 100µm versions use triple layer media. (870µm upstream and downstream)

## Dimensional Data

| Bag Size              | Length (mm) | Ring Diameter (mm) | Compatible Housings |
|-----------------------|-------------|--------------------|---------------------|
| Single MINI (P3)      | 135         | 100                | 81                  |
| Double MINI (P4)      | 295         | 100                | 81                  |
| Single Amazon         | 356         | 124                | 82/83/87            |
| Double Amazon         | 716         | 124                | 82/83/87            |
| Triple Amazon         | 1036        | 124                | 82/83/87            |
| Single Universal (P1) | 369         | 170                | 84/85/86/88/89      |
| Double Universal (P2) | 729         | 170                | 84/85/86/88/89      |
| Triple Universal      | 1109        | 170                | 84/85/86/88/89      |

# Ordering Guide

| 80MS   | V                                | 1                                      | 0050  | Special Options |
|--|----------------------------------|--|---|-----------------|
| Ring Size  | Handle Option                    | Length                                 | Micron Rating   |                 |
| 80MS - MINI (4 ¼")<br>80AS - Amazon (5½")<br>80US - Universal (7") | V - With Handle<br>N - No Handle | 1 - Single<br>2 - Double<br>3 - Triple | 0050 - 50µm<br>0100 - 100<br>0150 - 150<br>0200 - 200<br>0250 - 250<br>0315 - 315<br>0400 - 400<br>0560 - 560<br>0870 - 870<br>1000 - 1000<br>1250 - 1250<br>1600 - 1600<br>2000 - 2000 |                 |

For detail on lined baskets outside the micron rating range given above, please consult our sales office. The no handle option should only be selected when the basket is being used in conjunction with either a filter bag or a displacement pod.  
Example: 80MSV10050 = DuoMesh MINI 4 ¼" basket with handle, Single length, 50µm.

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