

### Strainers

## Strainer baskets for bag filter housings

### 1. Introduction

Straining can successfully be achieved with MAHLE Industrial Filtration bag filter housings in combination with mesh bags or strainer baskets.

Bag filter housings can be equipped with stainless steel filter baskets in several mesh sizes. The filter housings can then be used as strainers. Our strainer baskets are available for size 1 and size 2 bag filter housings. Strainers are often used as coarse filters to screen out larger particles before the fluid passes through a fine filter.



## 2. Features

- Ease of use.
- Good interior sealing and accessibility.
- Strainer basket fully interchangeable with support basket for filter bags. Housing can easily be switched from filtration to straining (or back again). Suitable for AFB, AFE and AFZ housings.
- Depending on requirements different types with several micron ratings are available.
- Baskets are made of strong stainless steel mesh or perforated sheet metal. Finer strainers will also have an integral mesh lining to achieve the required results. The outer layer acts as mechanical support for the finer mesh screen which does the real straining. The mesh lining can be single mesh or sintered dual layer mesh.
- O-ring sealing: standard Buna-N. Other materials on request.

## 3. Standard specifications

These strainer baskets are available in the following types:

- Standard filter bag mesh basket (1600 µm)
- Coarse perforated basket (4, 5, 6 mm etc.)
- Fine mesh basket (180 - 1000 µm)
- Sintered fine mesh basket (10 - 150 µm)
- Maximum differential pressure
  - design : 4.0 bar
  - operating : 2.5 bar

The standard filter bag baskets have a conical bottom. The fine mesh and perforated baskets have a closed dish bottom.

The fine mesh strainer baskets are standard available in the following micron ratings: 180, 250, 315, 400, 500, 630, 800 and 1000 µm

The sintered fine mesh strainer baskets are standard available in the following micron ratings: 10, 20, 25, 40, 45, 50, 100 and 150 µm

In addition to these standard types and micron ratings also special types are available. For further information about details, please contact your MAHLE representative.

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10/2009