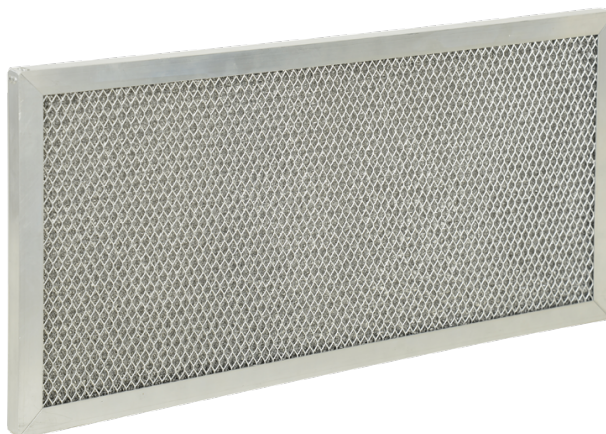


# Metal filters

## GF



### For the separation of grease and oil aerosols

Metal filter for separating oil and grease aerosols from the extract air in ventilation or air-conditioning units, and as a pre-filter

- Filter medium made of multi-layer aluminium mesh
- Fixed protection grid made of expanded aluminium mesh
- Low differential pressures at high volume flows

|                     |   |            |   |
|---------------------|---|------------|---|
| General information | 2 | Order code | 5 |
| Technical data      | 3 | Dimensions | 6 |
| Specification text  | 4 |            |   |

## General information

### Application

- For the separation of grease and oil aerosols in extract air systems
- For the separation of coarse dust particles in production facilities

### Special characteristics

- Long filter life
- Quick installation and removal
- Customised dimensions possible

### Nominal sizes

B × H × T [in.]

### Filter classes

Filter group:

- ISO Coarse according to DIN EN ISO 16890

Filter classes:

- Coarse 40 %

- Coarse 50 %

### Construction

- AL: Aluminium
- STA: Stainless steel

### Construction features

- Filter medium made of multi-layer aluminium mesh
- Fixed protection grid made of expanded aluminium mesh
- Moisture-resistant metal frame
- Available in various installation depths and filter sizes

### Material and surfaces

- Filter medium made of aluminium mesh
- Aluminium frame with U-profile
- Grille made of expanded aluminium mesh
- Optional stainless steel frame
- Optional with a handle

**Technical data**

|                                                           |       |        |
|-----------------------------------------------------------|-------|--------|
| gravimetric separation efficiency Coarse [%]              | 40    | 50     |
| Nominal inflow velocity [fpm]                             | 531.5 | 531.57 |
| Initial differential pressure for T = 0.47 in. [in. w.g.] | 0.13  | -      |
| Initial differential pressure for T = 0.79 in. [in. w.g.] | -     | 0.18   |
| Initial differential pressure for T = 0.98 in. [in. w.g.] | -     | 0.22   |
| Initial differential pressure for T = 1.77 in. [in. w.g.] | -     | 0.32   |
| maximum temperature [°F]                                  | 392   | 392    |
| maximum relative humidity [%]                             | 100   | 100    |

## Specification text

This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design programme.

### Specification text

Metal filter for separating oil and grease aerosols from the extract air in ventilation or air-conditioning units, and as a pre-filter. Available in various filter sizes with standard installation depths and installation cross-sections; filter group ISO Coarse according to DIN EN ISO 16890.

### Special characteristics

- Long filter life
- Quick installation and removal
- Customised dimensions possible

### Construction

- AL: Aluminium
- STA: Stainless steel



## Order code

GF – Coarse – 50% – STA / 23 × 23 × 2 / H

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| 1 | 2 | 3 | 4 | 5 | 6 |

**1 Type****GF** Grease filters**2 Classification****Coarse** gravimetric separation efficiency according to DIN EN ISO 16890**3 Separation efficiency**

Specify separation efficiency [%] according to DIN EN ISO 16890

**4 Construction****STA** Frame made of stainless steel**AL** Frame made of aluminium**5 Nominal size [in.]**

Specify width × height × depth

**6 Handle**

No entry: without handle

**H** with handle**Order example: GF-Coarse-50%-STA/23×23×2/H****Type****Classification****Separation efficiency****Construction****Nominal size [in.]****Handle**

GF – Grease filter

gravimetric separation efficiency according to DIN EN ISO 16890 50 %

Frame made of stainless steel

Width 23, height 23, depth 2

with handle



## Dimensions

| B     | H     | T    | Filter class | q <sub>v</sub> [cfm] | q <sub>v</sub> [m³/h] | Δp [in. w.g.] | f²    | Weight [lbs] |      |
|-------|-------|------|--------------|----------------------|-----------------------|---------------|-------|--------------|------|
|       |       |      |              |                      |                       |               |       | STA          | ALU  |
| 11.3  | 23.31 | 0.47 | Coarse 40 %  | 1,000.05             | 1700                  | 0.13          | 3.66  | 1.43         | 0.88 |
| 23.31 | 23.31 | 0.47 | Coarse 40 %  | 2,000.1              | 3400                  | 0.13          | 7.53  | 2.98         | 1.54 |
| 11.3  | 23.31 | 0.79 | Coarse 50 %  | 1,000.05             | 1700                  | 0.18          | 5.49  | 3.53         | 2.03 |
| 23.31 | 23.31 | 0.79 | Coarse 50 %  | 2,000.1              | 3400                  | 0.18          | 11.3  | 6.39         | 3.64 |
| 11.3  | 23.31 | 0.98 | Coarse 50 %  | 1,000.05             | 1700                  | 0.22          | 9.15  | 3.68         | 2.2  |
| 23.31 | 23.31 | 0.98 | Coarse 50 %  | 2,000.1              | 3400                  | 0.22          | 18.84 | 6.57         | 3.75 |
| 11.3  | 23.31 | 1.77 | Coarse 50 %  | 1,000.05             | 1700                  | 0.32          | 14.64 | 5.11         | 3.09 |
| 23.31 | 23.31 | 1.77 | Coarse 50 %  | 2,000.1              | 3400                  | 0.32          | 30.14 | 8.49         | 5.51 |