



**FG**

Grease trap grille

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### FUNCTION AND USE

Grease trap grille made of natural colour anodised aluminium or sheet steel painted to RAL 9010 (white) for wall or ceiling installation with inserted, replaceable grease trap grille insert in special design. The FG-...-L model includes grease trap blades and the FG-...-M model has a grease collection mat.

The grease trap grille inserts made of aluminium can be easily taken out for cleaning by turning the sash locks.

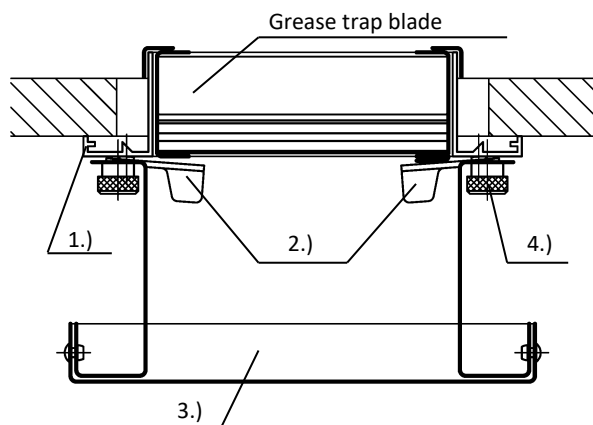
#### Cleaning

The grease trap collector on the grease trap grille FG-D-... is unscrewed from the frame by loosening the knurled screw. The grease trap insert can then be taken out of the frame by turning the sash locks.

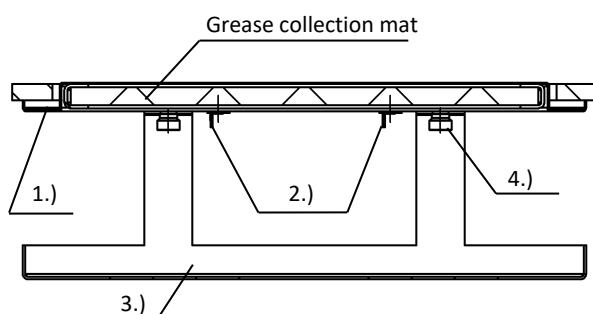
With the grease trap grille FG-W-..., the grease trap collector can be taken out of the frame together with the grease trap insert by turning the sash locks.

The grease trap filter can be cleaned simply in hot water solution and used again.

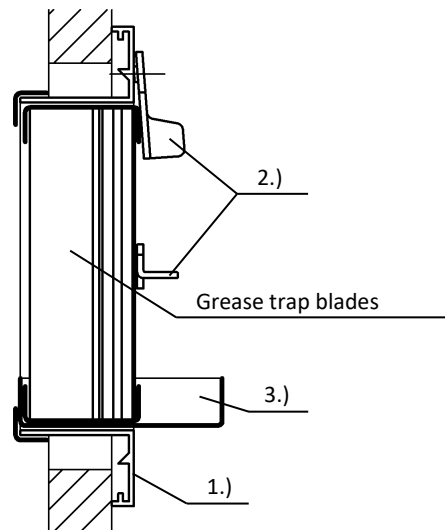
#### FG-D-L-...



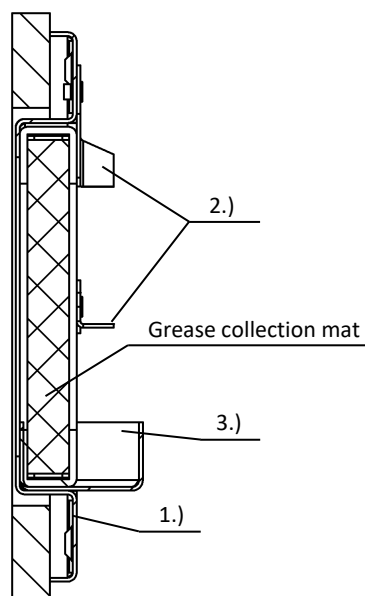
#### FG-D-M-...



#### FG-W-L-...



#### FG-W-M-...



- 1.) Frame
- 2.) Sash lock
- 3.) Grease trap collector
- 4.) Knurled screw

## MODELS

|              |                             |
|--------------|-----------------------------|
| FG-D-...     | for ceiling installation.   |
| FG-W-...     | for wall installation.      |
| FG-...-L-... | with grease trap blades.    |
| FG-...-M-... | with grease collection mat. |
| FG-...-N-... | single design.              |

## MOUNTING

- Screw mounting (-SM, standard).
  - screws must be provided on site.

## PROCESSING

### Frame

- Natural colour anodised aluminium E6/EV1 (only for -L) (-AL-ELOX).
- Painted sheet steel (only for -M) (-SB).
  - painted to RAL9010 (white) (-SB-9010, standard).
  - painted to a RAL colour of your choice (-SB-xxxx, at an extra charge).

### Grease trap insert (only for -L)

- Natural colour anodised aluminium E6/EV1 (only for -L) (-AL-ELOX).

### Grease collection mat (only for -M)

- Aluminium mesh (15 mm).

### Grease trap collector

- Natural colour anodised aluminium E6/EV1 (only for -L) (-AL-ELOX).
- Painted sheet steel (only for -M) (-SB).
  - painted to RAL9010 (white) (-SB-9010, standard).
  - painted to a RAL colour of your choice (-SB-xxxx, at an extra charge).

## ACCESSORIES

### Plenum box (-AK-47/-49)

Rectangular design, made of galvanised sheet steel (-SV, standard), housing with round connection spigot and mounting brackets. Single design (-N) and screw mounting (-SM)

- Air diffuser:
  - suitable for FG-...-M-... (AK-47)
  - suitable for FG-...-L-... (AK-49)
- Length:
  - 315 mm (-00315)
  - 415 mm (-00415) (not possible for FG-...-L-...)
  - 515 mm (-00515)
  - 615 mm (-00615) (not possible for FG-...-L-...)
  - 815 mm (-00815)
  - 1015 mm (-01015)
- Height:
  - 105 mm (-105)
  - 205 mm (-205)
  - 305 mm (-305)

- Damper:
  - without damper (-DK0) (standard).
  - with damper (-DK1), made of galvanised sheet steel, in the plenum box housing, adjustable, for simple air volume regulation (standard with lateral spigot position -S1).
  - with damper (-DK2), same as DK1 but with cable-operated adjustment (standard for spigot position -S0 / -S4).
- Rubber lip seal:
  - without rubber lip seal (-GD0) (standard).
  - with rubber lip seal (-GD1) made of special rubber, at the connection spigot.
- Insulation:
  - without insulation (-I0) (standard).
  - with internal insulation (-Ii), thermal insulation inside the plenum box.
  - with external insulation (-Ia), thermal insulation at the outside of the plenum box.
- Height of plenum box:
  - Standard height of plenum box (-KHS).
  - height of box in mm (-xxx) (minimum height = spigot diameter + 87 mm, but at least 200 mm) (always with 3 digits).
- Width of plenum box:
  - standard width of plenum box (-KBS).
  - width of plenum box in mm (-xxx) (minimum width = spigot diameter + 30 mm, minimum difference between KBS and KB2 = 40 mm) (always with 3 digits).
- Spigot diameter:
  - Standard spigot diameter (-SDS).
  - Spigot diameter in mm, can be freely selected (-xxx, always with 3 digits).
- Spigot position:
  - Spigot from above (-S0).
  - Lateral spigot on the plenum box (-S1) (standard).
  - Spigot front side (-S4).

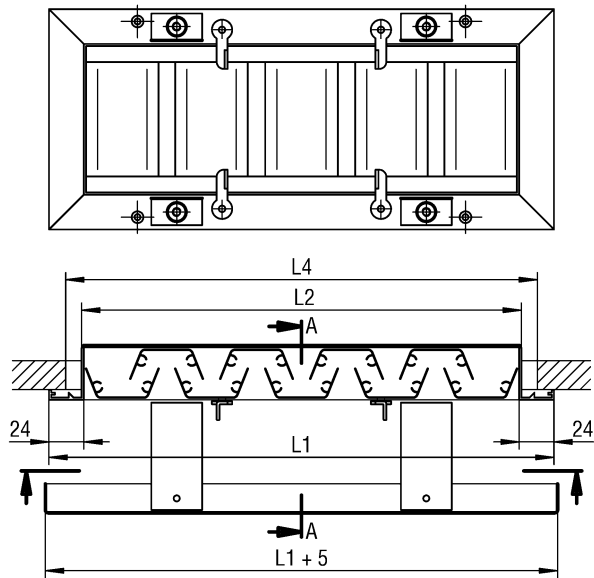
### Installation frame (-ER0 / -ER1 / -ER2)

- without installation frame (-ER0).
- with installation frame made of galvanised sheet steel (not possible with plenum box -AK):
  - without wall anchors (-ER1).
  - with wall anchors (-ER2).

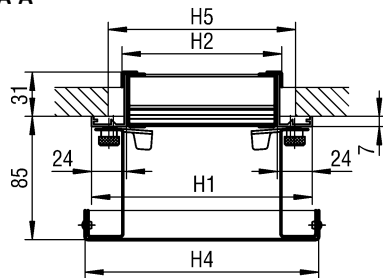
**DIMENSIONS FG-...-L**

With grease trap blades

**FG-D-L-... (for ceiling installation)**



**Section A-A**

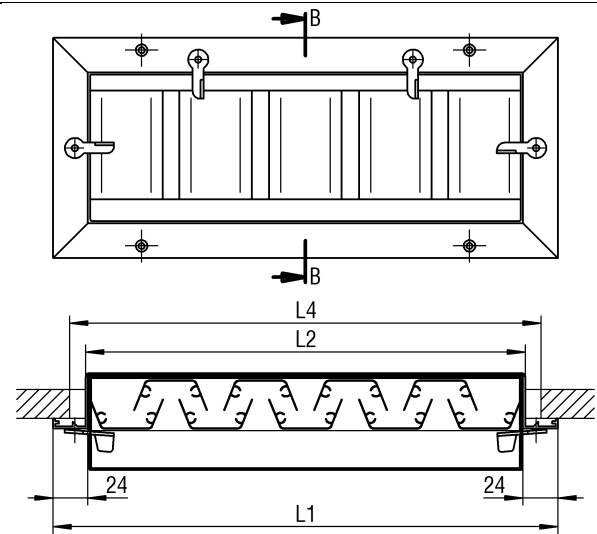


**Available sizes FG-D-L-... / FG-W-L-...**

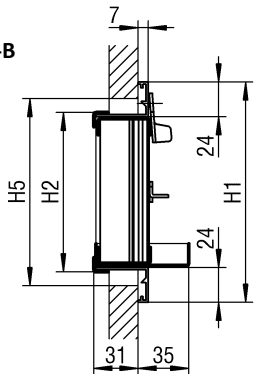
| L    | L1   | L2   | L3   | L4   | H   | H1  | H2  | H4  | H5  |
|------|------|------|------|------|-----|-----|-----|-----|-----|
| 315  | 348  | 304  | 353  | 325  | 105 | 152 | 110 | 157 | 115 |
| 515  | 548  | 504  | 553  | 525  | 205 | 252 | 210 | 257 | 215 |
| 815  | 848  | 804  | 853  | 825  | 305 | 352 | 310 | 357 | 315 |
| 1015 | 1048 | 1004 | 1053 | 1025 |     |     |     |     |     |

All combined lengths and heights available!

**FG-W-L-... (for wall installation)**



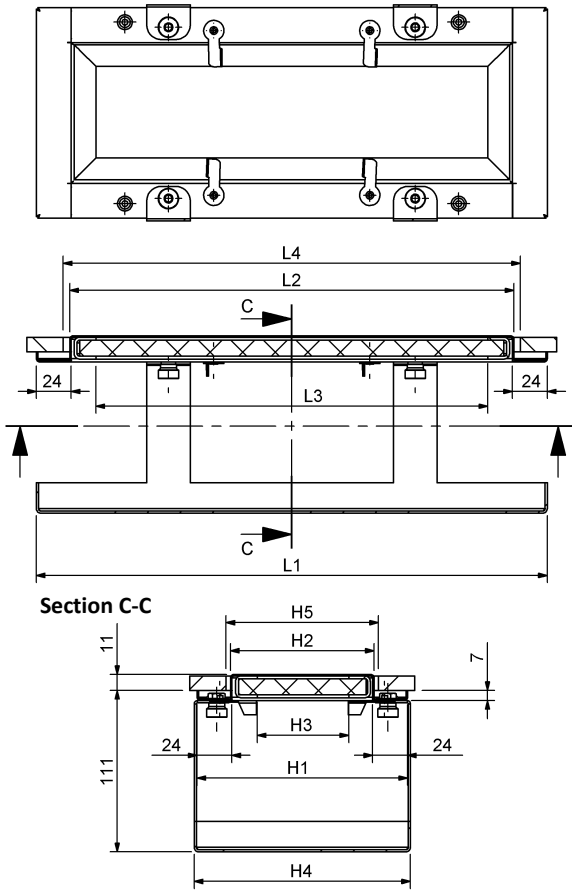
**Section B-B**



**DIMENSIONS FG-...-M**

With grease collecting mat

**FG-D-M-... (for ceiling installation)**

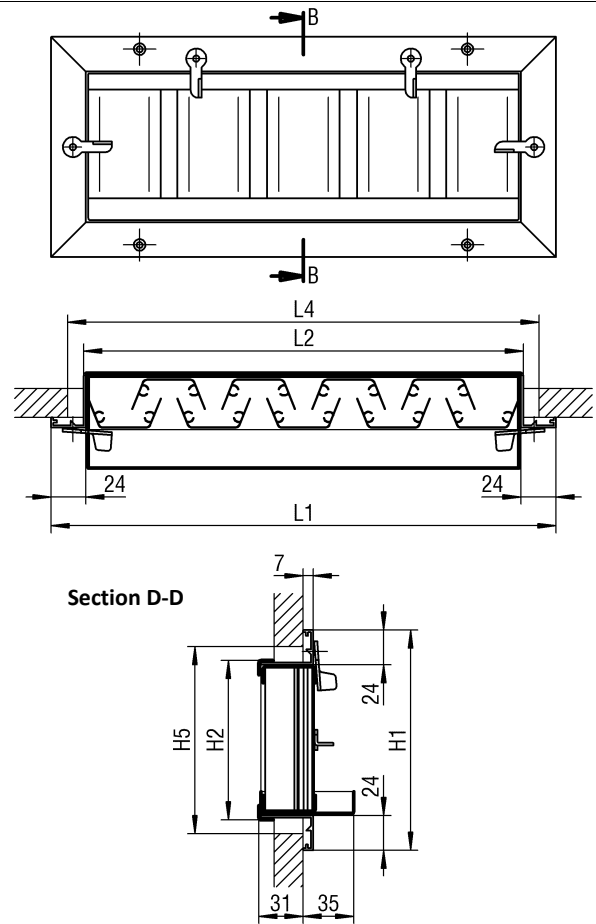


Available sizes FG-D-M-... / FG-W-M-...

| L    | L1   | L2   | L3  | L4   | H   | H1  | H2  | H3  | H4  | H5  |
|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|
| 315  | 352  | 306  | 270 | 315  | 105 | 145 | 99  | 63  | 149 | 105 |
| 415  | 452  | 406  | 370 | 415  | 205 | 245 | 199 | 163 | 249 | 205 |
| 515  | 552  | 506  | 470 | 515  | 305 | 345 | 299 | 263 | 349 | 305 |
| 615  | 652  | 606  | 570 | 615  |     |     |     |     |     |     |
| 815  | 852  | 806  | 770 | 815  |     |     |     |     |     |     |
| 1015 | 1052 | 1006 | 970 | 1015 |     |     |     |     |     |     |

All combined lengths and heights available!  
Special sizes not possible.

**FG-W-M-... (for wall installation)**



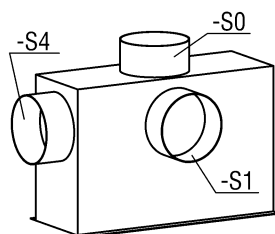
## DIMENSIONS OF ACCESSORIES

### Plenum box (-AK-47 / -AK-49)

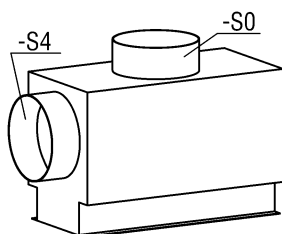
- AK-47: suitable for grease trap grille FG-...-M
- AK-49: suitable for grease trap grille FG-...-L

#### Spigot position

##### Straight plenum box:



##### Offset plenum box:



- Lateral spigot on the plenum box (-S1, standard)
- Spigot from above (-S0)
- Front side spigot (-S4, not possible for band design)

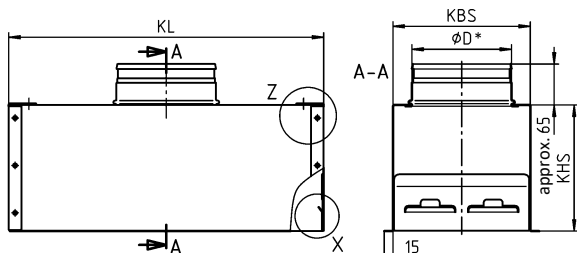
Spigot diameter for spigot position "Spigot front side (-S4)" is **identical** with "Lateral spigot on the box (-S1)".

Spigot diameter for spigot position "Spigot from above (-S0)" is **in part not identical** with "Lateral spigot on the box (-S1)".

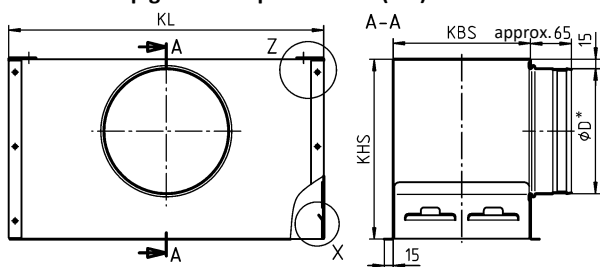
For the table of available sizes, see the next page.

#### Straight plenum box:

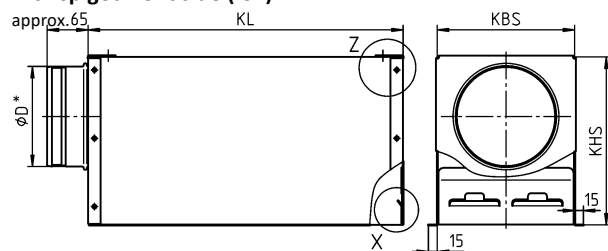
##### with spigot from above (-S0)



##### with lateral spigot on the plenum box (-S1)



##### with spigot front side (-S4)



\* external

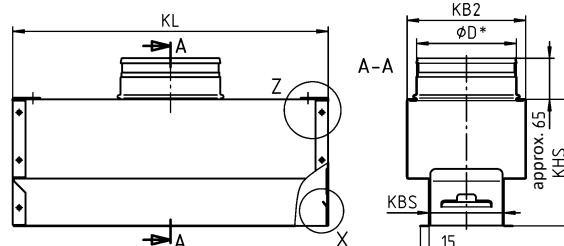
#### Offset plenum box:

If KBS is < (ØD+30), an offset plenum box will be manufactured.

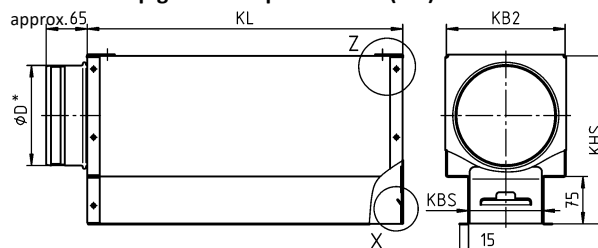
For model -S0: KB2 = ØD+30

Minimum difference between KBS and KB2 = 40 mm.

##### with spigot from above (-S0)



##### with lateral spigot on the plenum box (-S4)

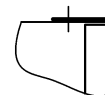


\* external

#### Plenum box mounting:

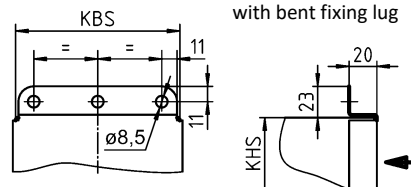
##### Detail Z

As-delivered condition with fitted mounting bracket



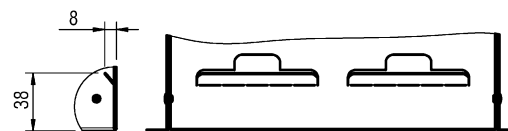
##### Detail Z

with bent fixing lug



#### Concealed mounting:

##### Detail X



Concealed plates can be bent outwards, if necessary.

Minimum height KHS with spigot position -S1 / -S4:

**KHS min. = ØD + 87 mm, but at least 200 mm**

Minimum width KB2 with spigot position -S0 / -S4:

**KB2 min. = ØD + 30 mm**

Minimum difference between KBS and KB2 = 40 mm.

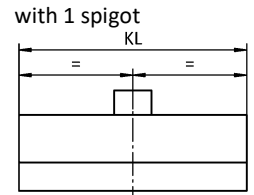
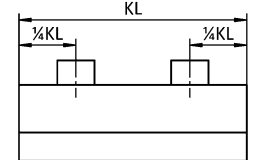
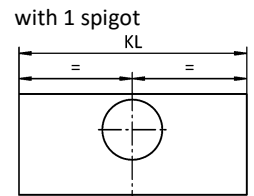
**The dimension KBS cannot be changed.**

**With spigot positions -S0 and -S4, if the spigot diameter is increased, only the offset plenum box shape is available.**

**Available sizes for AK-47**

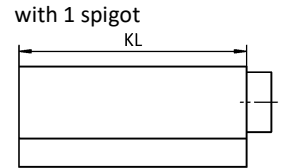
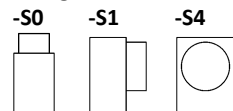
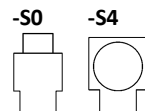
| H   | KBS | L    | KL   | Spigot position -S1 (standard) |     |         |                                                                                   | Spigot position -S0 |     |         |                                                                                   | Spigot position -S4 |         |         |                                                                                     |
|-----|-----|------|------|--------------------------------|-----|---------|-----------------------------------------------------------------------------------|---------------------|-----|---------|-----------------------------------------------------------------------------------|---------------------|---------|---------|-------------------------------------------------------------------------------------|
|     |     |      |      | KHS                            | KB2 | n x ØD  | AK shape                                                                          | KHS                 | KB2 | n x ØD  | AK shape                                                                          | KHS                 | KB2     | n x ØD  | AK shape                                                                            |
| 105 | 103 | 315  | 310  | 245                            | --  | 1x Ø158 |  | 200                 | 128 | 1x Ø98  |  | 245                 | 188     | 1x Ø158 |  |
|     |     | 415  | 410  |                                |     | 2x Ø98  |                                                                                   |                     |     | 285     |                                                                                   | 228                 | 1x Ø198 |         |                                                                                     |
|     |     | 515  | 510  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 615  | 610  | 285                            |     | 1x Ø198 | 2x Ø98                                                                            |                     |     | 285     | 228                                                                               | 1x Ø198             |         |         |                                                                                     |
|     |     | 815  | 810  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 1015 | 1010 |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
| 205 | 203 | 315  | 310  | 285                            | --  | 1x Ø198 |  | 200                 | 228 | 1x Ø198 |  | 285                 | 228     | 1x Ø198 |  |
|     |     | 415  | 410  |                                |     | 2x Ø178 |                                                                                   |                     |     | 335     |                                                                                   | 278                 | 1x Ø248 |         |                                                                                     |
|     |     | 515  | 510  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 615  | 610  | 335                            |     | 1x Ø248 | 2x Ø178                                                                           |                     | 335 | 278     | 1x Ø248                                                                           |                     |         |         |                                                                                     |
|     |     | 815  | 810  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 1015 | 1010 |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
| 305 | 303 | 315  | 310  | 335                            | --  | 1x Ø248 |  | 200                 | --  | 1x Ø248 |  | 335                 | --      | 1x Ø248 |  |
|     |     | 415  | 410  |                                |     | 2x Ø222 |                                                                                   |                     |     | 400     |                                                                                   | 348                 | 1x Ø313 |         |                                                                                     |
|     |     | 515  | 510  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 615  | 610  | 400                            |     | 1x Ø313 | 2x Ø222                                                                           |                     | 400 | 348     | 1x Ø313                                                                           |                     |         |         |                                                                                     |
|     |     | 815  | 810  |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |
|     |     | 1015 | 1010 |                                |     |         |                                                                                   |                     |     |         |                                                                                   |                     |         |         |                                                                                     |

n = number of spigots

**Number of spigots:**  
**Spigot from above (-S0)**

**with 2 spigots**

**Lateral spigot (-S1)**  
**(standard)**

**Available sizes for AK-49**

| H   | KBS | L    | KL   | Spigot position -S1 (standard) |     |         |                                                                                     | Spigot position -S0 |     |         |                                                                                     | Spigot position -S4 |     |         |                                                                                       |  |  |  |  |  |  |
|-----|-----|------|------|--------------------------------|-----|---------|-------------------------------------------------------------------------------------|---------------------|-----|---------|-------------------------------------------------------------------------------------|---------------------|-----|---------|---------------------------------------------------------------------------------------|--|--|--|--|--|--|
|     |     |      |      | KHS                            | KB2 | n x ØD  | AK shape                                                                            | KHS                 | KB2 | n x ØD  | AK shape                                                                            | KHS                 | KB2 | n x ØD  | AK shape                                                                              |  |  |  |  |  |  |
| 105 | 118 | 315  | 310  | 245                            | --  | 1x Ø158 |  | 200                 | 128 | 1x Ø98  |  | 245                 | 188 | 1x Ø158 |  |  |  |  |  |  |  |
|     |     | 515  | 510  |                                |     | 1x Ø198 |                                                                                     |                     |     | 2x Ø98  |                                                                                     | 285                 | 228 | 1x Ø198 |                                                                                       |  |  |  |  |  |  |
|     |     | 815  | 810  | 285                            |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |
|     |     | 1015 | 1010 |                                |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |
| 205 | 218 | 315  | 310  | 285                            | --  | 1x Ø198 |  | 200                 | 228 | 1x Ø198 |  | 285                 | 228 | 1x Ø198 |  |  |  |  |  |  |  |
|     |     | 515  | 510  |                                |     | 1x Ø248 |                                                                                     |                     |     | 2x Ø178 |                                                                                     | 335                 | 278 | 1x Ø248 |                                                                                       |  |  |  |  |  |  |
|     |     | 815  | 810  | 335                            |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |
|     |     | 1015 | 1010 |                                |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |
| 305 | 318 | 315  | 310  | 335                            | --  | 1x Ø248 |  | 200                 | --  | 1x Ø248 |  | 335                 | --  | 1x Ø248 |  |  |  |  |  |  |  |
|     |     | 515  | 510  |                                |     | 1x Ø313 |                                                                                     |                     |     | 2x Ø222 |                                                                                     | 400                 | 348 | 1x Ø313 |                                                                                       |  |  |  |  |  |  |
|     |     | 815  | 810  | 400                            |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |
|     |     | 1015 | 1010 |                                |     |         |                                                                                     |                     |     |         |                                                                                     |                     |     |         |                                                                                       |  |  |  |  |  |  |

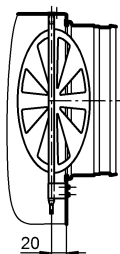
n = number of spigots

**Spigot front side (-S4)**  
**Band design not possible.**

**Plenum box shape**
**Straight:**

**Offset:**

**Minimum height KHS with spigot position -S1 / -S4:**
**KHS<sub>min.</sub> = ØD + 87 mm, but at least 200 mm**
**Minimum width KB2 with spigot position -S0 / -S4:**
**KB2<sub>min.</sub> = ØD + 30 mm**
**Minimum difference between KBS and KB2 = 40 mm.**
**The dimension KBS cannot be changed.**
**With spigot positions -S0 and -S4, if the spigot diameter is increased, only the offset plenum box shape is available.**

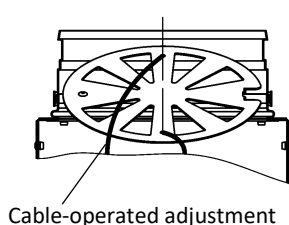
### Damper (-DK0 / -DK1 / -DK2), for AK-...

- DK0 = without damper (standard)  
 DK1 = with damper (standard for spigot position -S1)  
 DK2 = with damper and cable-operated adjustment (standard for spigot position -S0 / -S4)

DK1:



DK2:

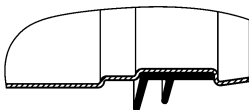


Cable-operated adjustment

### Rubber lip seal (-GD0 / -GD1), for AK-...

- GD0 = without rubber lip seal (standard)  
 GD1 = with rubber lip seal

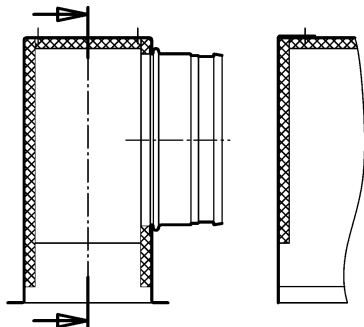
Detail Y



### Insulation (-I0 / -Ii / -Ia), for AK-...

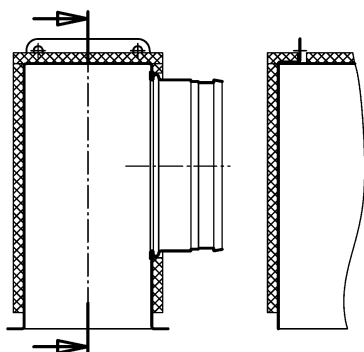
- I0 = without insulation  
 Ii = with internal insulation (standard)  
 Ia = with external insulation

Internal insulation (-Ii)



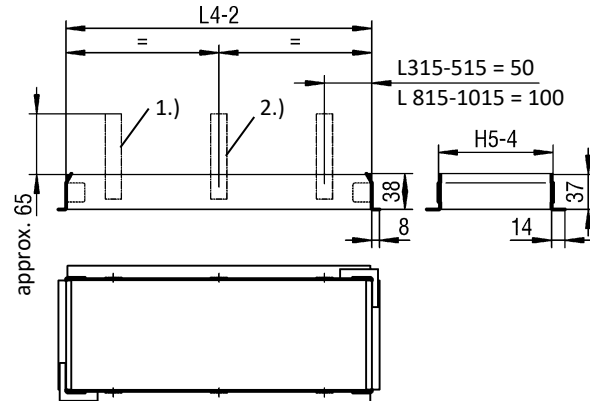
External insulation (-Ia)

In case of an external insulation, the mounting brackets are already bent in the as-delivered condition.



### Installation frame (-ER0 / -ER1 / -ER2)

- ER0 = without installation frame (standard)  
 ER1 = with installation frame without wall anchors (not possible for plenum box -AK)  
 ER2 = with installation frame with wall anchors (not possible for plenum box -AK)



- 1.) Wall anchors  
 2.) for L ≥ 515

Number of wall anchors:

Length L < 515 mm = 4 wall anchors (2 per side)

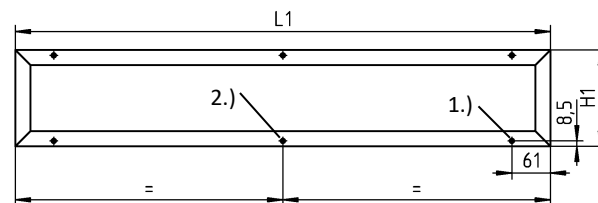
Length L ≥ 515 mm = 6 wall anchors (3 per side)

Installation frame E1 made of electrolytic galvanised sheet steel. Installation frames are only delivered with wall anchors on special request (-ER2, at an extra charge).

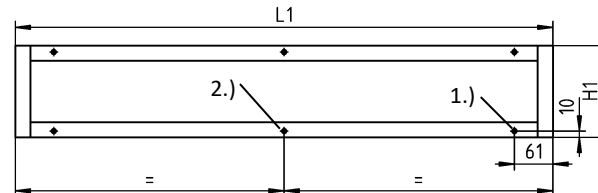
## MOUNTING OPTIONS

### Screw mounting (-SM, standard)

FG-...-L-... (with grease trap blades)



FG-...-M-... (with grease collecting mat)



- 1.) Indentation for slotted shallow-raised countersunk-head tapping screw DIN ISO 7051 pitch 3.9  
 2.) from L > 515

FG-...-L-...

| L    | L1   | H   | H1  |
|------|------|-----|-----|
| 315  | 348  | 105 | 152 |
| 515  | 548  | 205 | 252 |
| 815  | 848  | 305 | 352 |
| 1015 | 1048 |     |     |

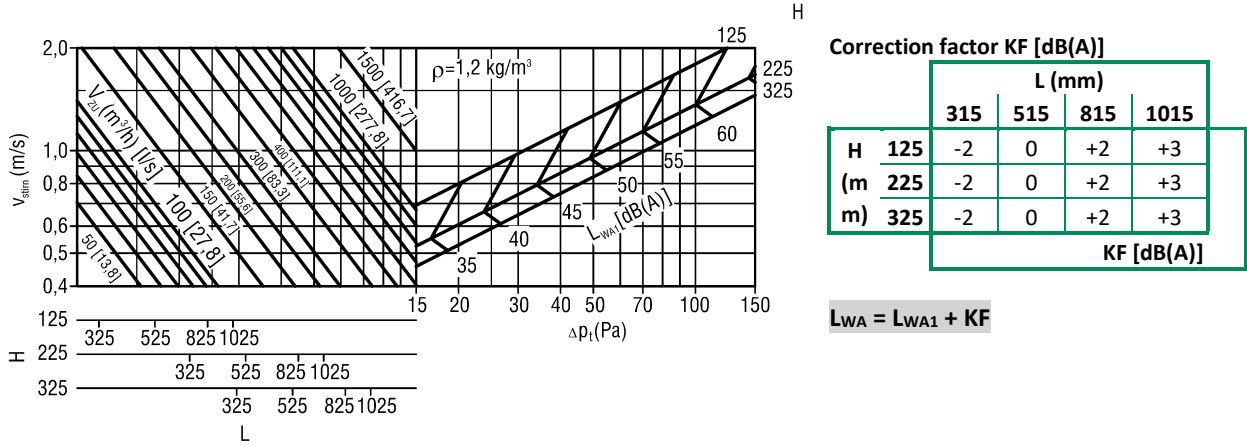
FG-...-M-...

| L    | L1   | H   | H1  |
|------|------|-----|-----|
| 315  | 352  | 105 | 145 |
| 415  | 452  | 205 | 245 |
| 515  | 552  | 305 | 345 |
| 615  | 652  |     |     |
| 815  | 852  |     |     |
| 1015 | 1052 |     |     |

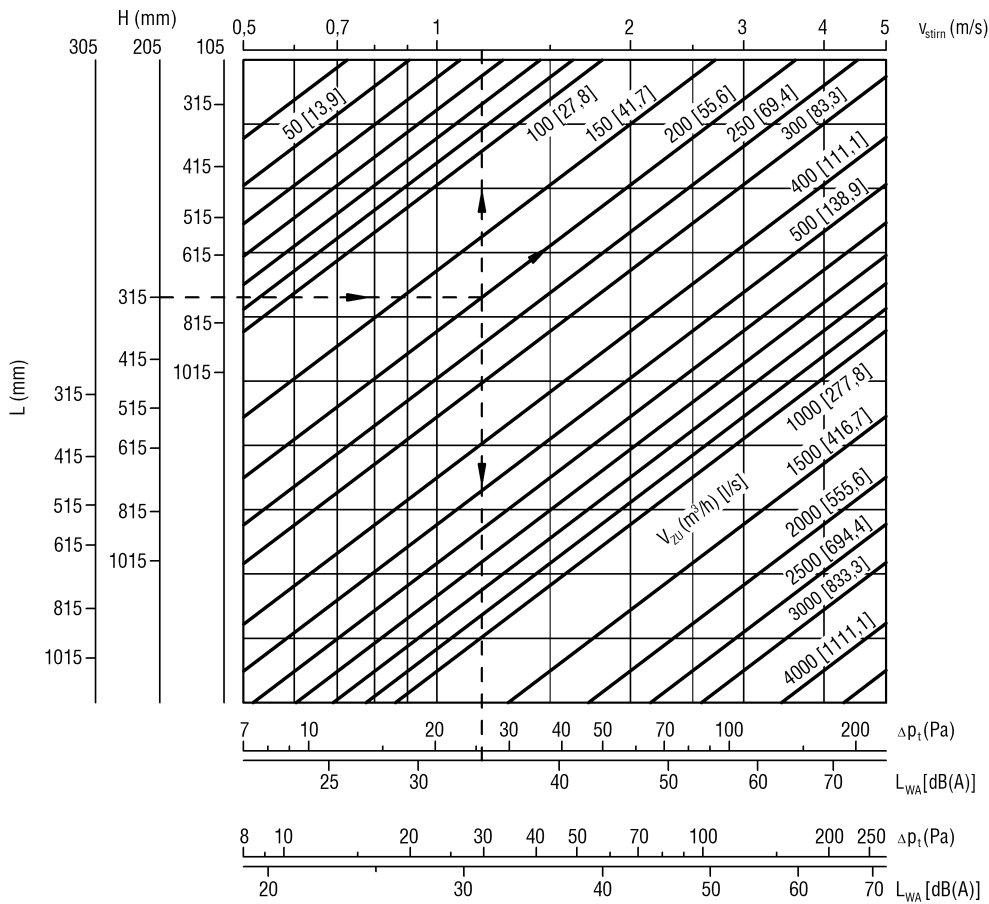
**TECHNICAL DATA**

**Pressure loss and noise level**

FG-...-L



FG-...-M-...



The air velocities  $v_{\text{stirn}}$  (m/s) are based on L3 x H3. To achieve optimal grease collection, air velocity should be between 1 - 2 m/s.

LEGEND

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|              |              |   |                                                                                                                                 |
|--------------|--------------|---|---------------------------------------------------------------------------------------------------------------------------------|
| $V_{ZU}$     | ( $m^3/h$ )  | = | Supply air volume                                                                                                               |
| $V_X$        | [l/s]        | = | Supply air volume                                                                                                               |
| $v_{stirn}$  | (m/s)        | = | Intake velocity, blower stream velocity, outflow velocity, relative to $A_{stirn}$ ( $A_{stirn} = L3 \times H3$ , for FG-...-M) |
| $\rho$       | ( $kg/m^3$ ) | = | Density                                                                                                                         |
| $\Delta p_t$ | (Pa)         | = | pressure loss                                                                                                                   |
| $L_{WA}$     | [dB(A)]      | = | A-weighted sound power level<br>( $L_{WA} = L_{WA1} + KF$ )                                                                     |
| $L_{WA1}$    | [dB(A)]      | = | A-weighted sound power level, relative to $L=515$                                                                               |
| KF           | (-)          | = | Correction factor                                                                                                               |
| L            | (mm)         | = | length                                                                                                                          |
| H            | (mm)         | = | Height                                                                                                                          |

## ORDER CODE FG

| 01             | 02    | 03            | 04     | 05     | 06                   |
|----------------|-------|---------------|--------|--------|----------------------|
| Type           | Model | Grille insert | Length | Height | Single / band design |
| <b>Example</b> |       |               |        |        |                      |
| FG             | -W    | -M            | -00315 | -205   | -N                   |

| 07       | 08    | 09       | 10                 |
|----------|-------|----------|--------------------|
| Material | Paint | Mounting | Installation frame |
|          |       |          |                    |
| -SB      | -9010 | -SM      | -ER1               |

All fields must be filled when ordering.

### Sample

**FG-W-M-00315-205-N-SB-9010-SM-ER1**

Grease trap grille FG I for wall mounting I with grease collection mat I grille length 315 mm I grille height 205 mm I single design I painted sheet steel I RAL colour 9010 I screw mounting I with installation frame

## ORDER DETAILS

### 01 - Type

FG = Grease trap grille FG

### 02 - Model

D = for ceiling installation

W = for wall installation

### 03 - Grille insert

L = with grease trap blades

M = with grease collection mat

### 04 - Length

00315 = grille length 315 mm

00415 = grille length 415 mm (not possible for FG-...-L-...)

00515 = grille length 515 mm

00615 = grille length 615 mm (not possible for FG-...-L-...)

00815 = grille length 815 mm

01015 = grille length 1015 mm

### 05 - Height

105 = grille height 105 mm

205 = grille height 205 mm

305 = grille height 305 mm

### 06 - Single / band design

N = single design.

### 07 - Material

SB = painted sheet steel (only for FG-...-M).

AL = natural colour anodised aluminium (only for FG-...-L).

### 08 - Paint

9010 = RAL9010 (white, standard for -SB).

ELOX = natural colour anodised (E6/EV1, standard for -AL).

xxxx = RAL colour can be freely selected (always with 4 digits).

### 09 - Mounting

SM = screw mounting (screws must be provided on site).

### 10 - Installation frame

ER0 = without installation frame (standard).

ER1 = with installation frame without wall anchors (not possible for plenum box -AK).

ER2 = with installation frame with wall anchors (not possible for plenum box -AK)

## ORDER CODE AK

| 01             | 02           | 03     | 04     | 05                   | 06       | 07       |
|----------------|--------------|--------|--------|----------------------|----------|----------|
| Type           | Air diffuser | Length | Height | Single / band design | Mounting | Material |
| <b>Example</b> |              |        |        |                      |          |          |
| AK             | -49          | -00315 | -105   | -N                   | -SM      | -SV      |

| 08     | 09              | 10         | 11                   | 12                  | 13              | 14              |
|--------|-----------------|------------|----------------------|---------------------|-----------------|-----------------|
| Damper | Rubber lip seal | Insulation | Height of plenum box | Width of plenum box | Spigot diameter | Spigot position |
|        |                 |            |                      |                     |                 |                 |
| -DK0   | -GD1            | -I0        | -KHS                 | -KBS                | -SDS            | -S1             |

### Sample

**AK-49-00315-105-N-SM-SV-DK0-GD1-I0-KHS-KBS-SDS-S1**

Plenum box, rectangular design I suitable for grease trap grille FG-...-L I length 315 mm I height 205 mm I single length I with screw mounting I galvanised sheet steel I without damper I with rubber lip seal I without plenum box insulation I height of plenum box standard I width of plenum box standard I spigot diameter standard | lateral spigot

### ORDER DETAILS

#### 01 - Type

AK = plenum box, rectangular design

#### 02 - Air diffuser

47 = suitable for grease trap grille FG-...-M

49 = suitable for grease trap grille FG-...-L

#### 03 - Length

00315 = grille length 315 mm

00415 = grille length 415 mm (not possible for FG-...-L-...)

00515 = grille length 515 mm

00615 = grille length 615 mm (not possible for FG-...-L-...)

00815 = grille length 815 mm

01015 = grille length 1015 mm

#### 04 - Height

105 = grille height 105 mm

205 = grille height 205 mm

305 = grille height 305 mm

#### 05 - Single / band design

N = single design (standard).

#### 06 - Mounting

SM = screw mounting (standard).

#### 07 - Material

SV = galvanised sheet steel (standard).

#### 08 - Damper

DK0 = without damper (standard).

DK1 = with damper (standard for spigot position -S1).

DK2 = with damper and cable-operated adjustment (standard for spigot position -S0 / -S4).

#### 09 - Rubber lip seal

GD0 = without rubber lip seal (standard).

GD1 = with rubber lip seal.

#### 10 - Insulation

I0 = without insulation (standard).

Ii = with box insulation inside.

Ia = with box insulation outside.

#### 11 - Height of plenum box

KHS = standard height of box.

xxx = Height of box in mm (minimum height = spigot diameter + +87 mm, always with 3 digits).

#### 12 - Width of plenum box

KBS = standard width of plenum box.

xxx = width of plenum box in mm (minimum width = spigot diameter + 30 mm, minimum difference between KBS and KB2 = 40 mm, always with 3 digits).

#### 13 - Spigot diameter

SDS = standard spigot diameter.

xxx = spigot diameter in mm, can be freely selected (always with 3 digits).

#### 14 - Spigot position

S0 = spigot from above.

S1 = lateral spigot on the plenum box (standard).

S4 = spigot front side.

## SPECIFICATION TEXT

Grease trap grille for ceiling install consisting of a frame and grease trap collector. Easy to disassemble for cleaning purposes by turning the sash locks. Single design (-N), with screw mounting (-SM), screws must be provided on site).

Product: SCHAKO type **FG-...-N-...-SM-...**

### Model:

- for ceiling installation (-D).
- for wall mounting (-W).

### Grille insert:

- with grease trap blades (-L), exchangeable, made of aluminium.
- with grease collecting mat (-M), exchangeable, made of woven aluminium (15 mm).

### Length:

- 315 mm (-00315)
- 415 mm (-00415) (not possible for FG-...-L-...)
- 515 mm (-00515)
- 615 mm (-00615) (not possible for FG-...-L-...)
- 815 mm (-00815)
- 1015 mm (-01015)

### Height:

- 105 mm (-105)
- 205 mm (-205)
- 305 mm (-305)

### Material / paint (faceplate):

- Painted sheet steel (-SB)
  - painted to RAL9010 (-9010)
  - painted to a RAL-colour, freely selectable (-xxxx, at an extra charge)
- Aluminium
  - natural colour anodised (E6/EV1) (-AL-ELOX)

### Accessories:

- Plenum box, in rectangular design, made of galvanised sheet steel (-SV, standard), housing with round connection spigot and mounting brackets. Single design (-N) and screw mounting (-SM).
  - Air diffuser:
    - suitable for FG-...-M-... (AK-47)
    - suitable for FG-...-L-... (AK-49)
  - Length:
    - 315 mm (-00315)
    - 415 mm (-00415) (not possible for FG-...-L-...)
    - 515 mm (-00515)
    - 615 mm (-00615) (not possible for FG-...-L-...)
    - 815 mm (-00815)
    - 1015 mm (-01015)
  - Height:
    - 105 mm (-105)
    - 205 mm (-205)
    - 305 mm (-305)

- Damper:
  - without damper (-DK0) (standard).
  - with damper (-DK1), made of galvanised sheet steel, in the plenum box housing, adjustable, for simple air volume regulation. (standard for spigot position -S1)
  - with damper (-DK2), same as DK1 but with cable-operated adjustment (standard for spigot position -S0 / -S4).
- Rubber lip seal:
  - without rubber lip seal (-GD0) (standard).
  - with rubber lip seal (-GD1) made of special rubber, at the connection spigot.
- Insulation:
  - without insulation (-I0) (standard).
  - with internal insulation (-Ii), thermal insulation inside the plenum box.
  - with external insulation (-Ia), thermal insulation at the outside of the plenum box.
- Height of plenum box:
  - Standard height of plenum box (-KHS).
  - height of box in mm (-xxx) (minimum height = spigot diameter + 87 mm, but at least 200 mm) (always with 3 digits).
- Width of plenum box:
  - standard width of plenum box (-KBS).
  - width of plenum box in mm (-xxx) (minimum width = spigot diameter + 30 mm, minimum difference between KBS and KB2 = 40 mm) (always with 3 digits).
- Spigot diameter:
  - Standard spigot diameter (-SDS).
  - Spigot diameter in mm, can be freely selected (-xxx, always with 3 digits).
- Spigot position:
  - Spigot from above (-S0).
  - Lateral spigot on the plenum box (-S1) (standard).
  - Spigot front side (-S4).
- Installation frame (-ER0 / -ER1 / -ER2)
  - without installation frame (-ER0)
  - with installation frame, made of galvanised sheet steel (not possible with plenum box -AK):
    - without wall anchor (-ER1)
    - with wall anchor (-ER2)