

## Weather protection grille

wsgr



✓ Free choice of dimensions

✓ Low pressure difference thanks to aerodynamic slats

✓ Larger cross-sections without separation

✓ Low interference on account of rounded slats

### Product information

DL weather protection grilles in a square design are suitable for incoming and outgoing air. They are installed within ventilation systems and building facades in order to reduce drops in pressure and flow noise, as well as to protect channel ducts against foreign bodies and prevent the infiltration of precipitation. To protect against birds and other small animals, a barbed wire grille is fitted behind the horizontal slats.

Optionally, protection can be increased through the installation of an insect protection grille. In the event of extreme weather conditions (driving rain/snow), weather protection grilles do not offer complete protection against the entry of precipitation. In order to ensure even distribution of the flow speed between the slats, the maximum flow speeds set out in VDI 3803 1 (Air-conditioning – Structural and technical principles – Central air conditioning systems [VDI Ventilation Code of Practice])

### Technical data

#### Material

Galvanised steel  
Aluminium  
V2a stainless steel  
V4a stainless steel  
Copper

#### Pressure rating

#### Leakage class

#### Dimensions

Width: min. 200 mm/max. on request  
Height: min. 200 mm/max. on request  
Depth: 50 mm

#### Recommended air velocity

Outside air <2 m/s in the slat area  
Exhaust air <4 m/s in the slat area

#### Finish

Powder coating as per RAL  
Wet painting as per RAL  
NCS or DB

#### Temperature resistance

-40°C to +100°C

### Order code legend

#### Order code

WSG-W-B-H-O

#### Material (M)

VZ – galvanised  
ALU – aluminium  
V2A – stainless steel V2A  
V4A – stainless steel V4A  
CU – copper

#### Opening in mm (WxH)

W – width  
H – height  
Can be freely selected

#### Accessories.

Insect protection grille  
Installation frame  
Combination with multi-leaf damper or backdraft damper  
Frost protection  
Crane eyelets  
Combination with G3/G4 filter mats

#### Optional (o)

RB...x...mm – Frame bores... x ... mm  
E – installation frame, bracket frame 35 x 35 x 5 mm with corner holes, (with optional wall anchors – MA)  
ISG – with insect protection grille on reverse  
CE – crane eyelets  
JK... – combination with multi-leaf damper model ...  
ES – frost protection 230 V, behind each slat  
P-RAL... – powder coating  
L-RAL... – painting  
RAL colour of choice

#### Example

Weather protection grille, galvanised, 500 x 400 with installation frame and insect protection grille

#### Order code

WSG-VZ-500x400-E-ISG