

# Intake/Exhaust Wall-mounted Louvres

## CSQ / WSQ



### Description

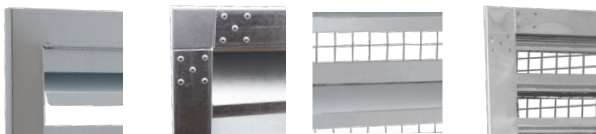
Wall-mounted Air Intake / Exhaust Louvres are made with fixed blades. The CSQ air intake louvres are additionally secured with a galvanized wire mesh with a diameter of 1 mm and a mesh size of 12.7x12.7 mm. Louvres are suitable for mounting on the external wall or as termination pieces of ventilation ducts. Air louvers are made of galvanized steel sheet. WSQ exhaust louvres up to size 600x600mm are made of formed sheet metal. The frame width of air louvers is 30mm in sizes upto 600x600mm, sizes over 600x600mm - 40mm.



CSQ intake louvres are additionally equipped with QILN-IN wire mesh screen and are made in standard sizes.

Larger sizes of louvres (over 600x600mm) are manufactured using blade profiles QPPC, QPRC and QNT corner pieces. Air louvers are custom-made according to client's technical specifications (dimensions).

#### Variants:



WSQ ≤ 600x600    WSQ > 600x600    CSQ ≤ 600x600 (WSQ+QILN-IN)    CSQ > 600x600

#### Available materials - Product code examples

CSQ-...-...- galvanized steel sheet  
WSQ-...-...- galvanized steel sheet

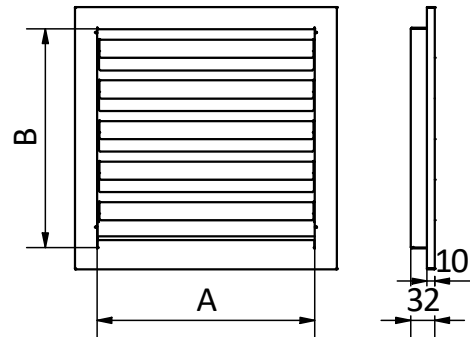
#### Product code example

Product code:                      CSQ - 2500 - 500

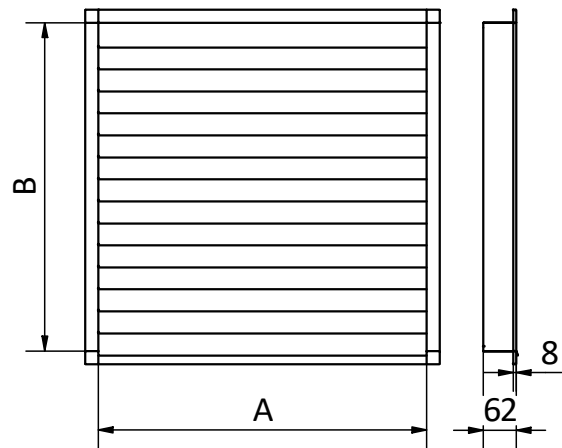
type \_\_\_\_\_  
a        \_\_\_\_\_  
b        \_\_\_\_\_

### Dimensions

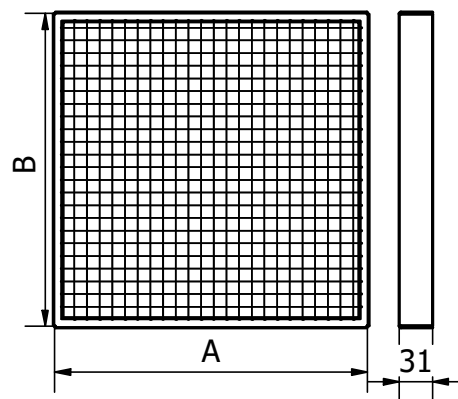
WSQ ≤ 600x600



WSQ > 600x600



QILN-IN



a [mm]	b [mm]
150-3000	150-3000

Minimum size: 150x150 mm.  
Maximum size: 3000x3000 mm.  
Powder coating in any RAL colour at client's request.

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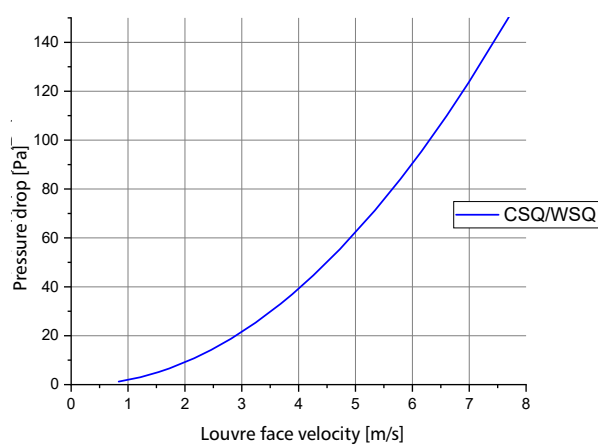
## CSQ / WSQ

### Technical data

Water penetration classification according to standard EN 13030:2001. The classification applies to a specific louvre design irrespective of size.

Water penetration classification	Entry loss coefficient $C_e$ classification	Discharged coefficient $C_d$ classification	Up to velocity [m/s]
C	2	3	0,5 - 1 m/s
D	2	3	1,5 - 3,5 m/s

### Pressure loss for CSQ/WSQ



### Effective area CSQ/WSQ

$$A_{\text{eff}} = (A-10) \times (B-10) \times 0,65 \text{ [mm}^2\text{]} \text{ or}$$

$$A_{\text{eff}} = (A-10) \times (B-10) \times 0,65 \times 10^{-6} \text{ [m}^2\text{]}$$

Example:

CSQ-200-300

$$A_{\text{eff}} = (200-10) \times (300-10) \times 0,65 = 35815 \text{ mm}^2 = 0,036 \text{ m}^2$$