



## AIRJET

Louvred air intake



The production operations of heavy industry are particularly prone to extreme problems of ventilation. Heat, smoke and dust have an especially detrimental effect here on workers' productivity. The result is illness and downtime.

## The benefits of AIRJET to you:

- ↳ A natural, pleasant supply of fresh air ✓
- ↳ Increased productivity ✓
- ↳ Can be installed in all standard vertical wall structures ✓

## AIRJET FOR A GREAT WORKING CLIMATE

Our specialist engineers have taken on this specific problem area and come up with a natural ventilation system that is not dependent on any particular form of power.

The AIRJET louvred air intake provides fresh air to working areas, while at the same time extracting heat, dust and smoke out into the open.





The air intake's simple, robust construction means that the amount of maintenance needed is minimal. AIRJET can be used in all standard forms of vertical wall construction. It can be opened using either pneumatic or electronic controls or manually via a handle.

## ELECTRONIC CONTROL



Where electronic control is used, the air intake is controlled by an electric motor. Using this spindle motor the louvres can be set to any angle. The motor has been lubricated with a special permanent grease and therefore needs no maintenance (voltage 230V, 50Hz).

## **SORT OUT YOUR VENTILATION PROBLEM WITH AIRJET**

## **AIRJET**

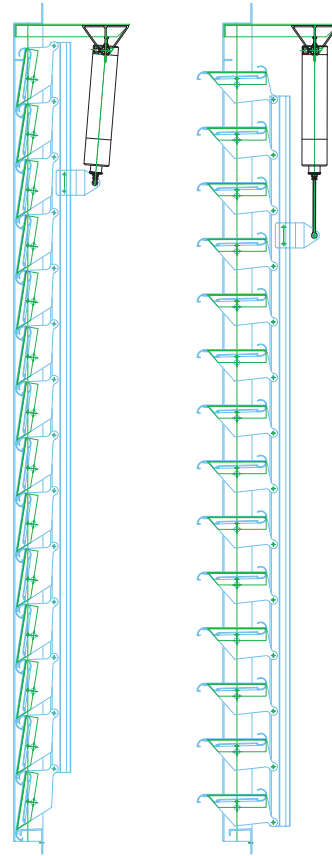
If the air intakes are being installed at work level, the louvres can be opened and closed manually via a handle attached on the inside of each unit.

## HANDLE CONTROL

## PNEUMATIC CONTROL

With this form of drive unit the louvres are controlled by a compressed air cylinder fitted within the air intake unit (working pressure: min. 6 bar). The setting of the louvres can be adjusted by regulating the air pressure.

When the pressure is released, two tension springs automatically close the device and keep the louvres shut. The compressed air cylinder has been lubricated with a special permanent grease and therefore needs no maintenance.



Pneumatic control of the AIRJET louvred air intake



## TECHNICAL DATA

The AIRJET is made of aluminium alloy AlMgSi0.5 extruded profile sections. The louvres are aerodynamically shaped and 1.8mm thick. The frame construction is made of aluminium alloy AlMg3 and is 3mm thick. The pivot points have been tested using 30,000 changes of load.



| Model      | Number of<br>anzahl | Width*<br>(mm)<br>B | Opening<br>Height<br>(mm)<br>L | Flange measurements |                 | Weight<br>**<br>(kg) |
|------------|---------------------|---------------------|--------------------------------|---------------------|-----------------|----------------------|
|            |                     |                     |                                | (mm)<br>B+100       | (mm)<br>A=L+100 |                      |
| ZJ 05-0507 | 5                   | 500                 | 737                            | 600                 | 837             | 10                   |
| ZJ 06-0509 | 6                   | 500                 | 870                            | 600                 | 970             | 11                   |
| ZJ 07-0510 | 7                   | 500                 | 1003                           | 600                 | 1103            | 12                   |
| ZJ 08-0511 | 8                   | 500                 | 1136                           | 600                 | 1236            | 13                   |
| ZJ 09-0513 | 9                   | 500                 | 1269                           | 600                 | 1369            | 14                   |
| ZJ 10-0514 | 10                  | 500                 | 1402                           | 600                 | 1502            | 15                   |
| ZJ 11-0515 | 11                  | 500                 | 1535                           | 600                 | 1635            | 16                   |
| ZJ 12-0517 | 12                  | 500                 | 1668                           | 600                 | 1768            | 17                   |
| ZJ 13-0518 | 13                  | 500                 | 1801                           | 600                 | 1901            | 18                   |
| ZJ 14-0519 | 14                  | 500                 | 1934                           | 600                 | 2034            | 19                   |
| ZJ 15-0521 | 15                  | 500                 | 2067                           | 600                 | 2167            | 20                   |
| ZJ 16-0522 | 16                  | 500                 | 2200                           | 600                 | 2300            | 21                   |
| ZJ 17-0523 | 17                  | 500                 | 2333                           | 600                 | 2433            | 22                   |
| ZJ 18-0525 | 18                  | 500                 | 2466                           | 600                 | 2566            | 23                   |
| ZJ 19-0526 | 19                  | 500                 | 2599                           | 600                 | 2699            | 24                   |
| ZJ 20-0527 | 20                  | 500                 | 2732                           | 600                 | 2832            | 25                   |

\* All widths available from 500mm to 2000mm. In addition to the code, please specify the exact measurements.

\*\* The additional weight of the chosen controls must be added to the unit's weight.

H = 1kg

P = 5kg

E = 6kg



The AIRJET louvred air intake is used for effective ventilation at work level.

The modest weight of the AIRJET's maintenance-free, compact construction enables the units to be supplied in numerous sizes and installed easily into all standard wall structures.

The louvres are made of corrosion-resistant aluminium alloy AlMgSi0.5 extruded profile sections, while the frame construction is manufactured from corrosion-resistant aluminium alloy AlMg3.

The setting of the louvres can be adjusted either via pneumatic or electronic controls or manually via a handle:

○ **Manual control via a handle (H)**

The louvres are adjusted via a handle attached on the inside of the unit..

○ **Pneumatic control (P)**

The louvres are adjusted by means of a compressed air cylinder. This is lubricated with a special permanent grease and therefore needs no maintenance. Whenever no pressure is applied, two retaining springs hold the louvres shut.

○ **Electronic control (E)**

The louvres are adjusted by means of an electronic spindle motor. This is lubricated with a special permanent grease and therefore needs no maintenance (voltage 230V, 50Hz).

## AIRJET SPECIFICATION

Number of louvres: \_\_\_\_\_

Flangewidth: \_\_\_\_\_ mm

Flangeheight: \_\_\_\_\_ mm

Weight: \_\_\_\_\_ kg



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