



# W'AIR JET

## Air Inlet



### Minimum and maximum ventilation

SODALEC DISTRIBUTION offers you the W'AIR JET air inlet to manage your ventilation at minimum flow, but also at maximum.

#### ☑ A revolutionary design

W'AIR JET air inlet is unique. Its flap (**Shutter**) has a "W" shape. At batch start up, the air inlet flow is based on these two parts of the flap. Air flow is therefore limited, with a controlled air jet. The shutter's offset axis of rotation keeps the bottom of the hatch closed, up to 30%.

#### ☑ A controlled minimum air flow

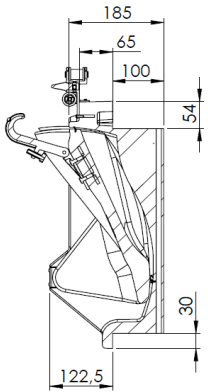
With just an 8% air inlet aperture, the air flow rate is only 67 m<sup>3</sup>/h. This is ideal for a flock start up and it even ensures good air distribution within the building.

#### ☑ A flap and frame unique shape

The W'AIR JET air inlet flap shape ensures that the air is well guided in all positions. At minimum flow, the jet is controlled to mix well with the ambient air. At maximum flow, the air at the bottom and top of the damper is perfectly oriented to ensure animals comfort.

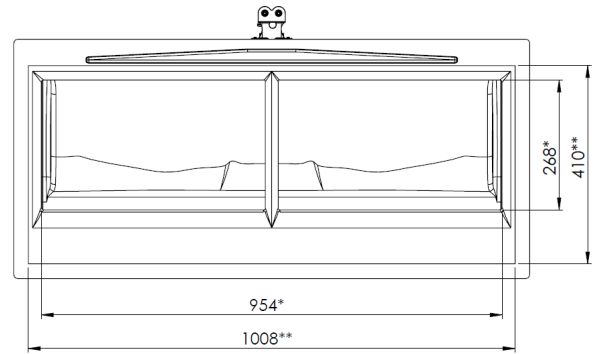
The frame of W'AIR JET inlet is inclined to facilitate cleaning and ensure good drainage of washwater.





Dimensions (mm)

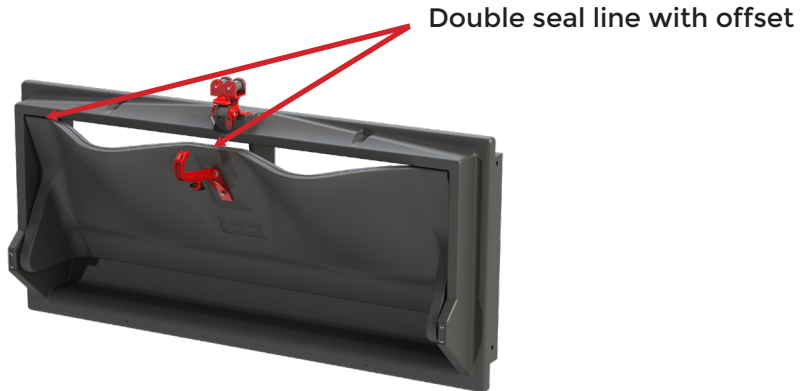
The bottom part of the shutter remains « closed » up to 28% of aperture



Example with a 15% aperture

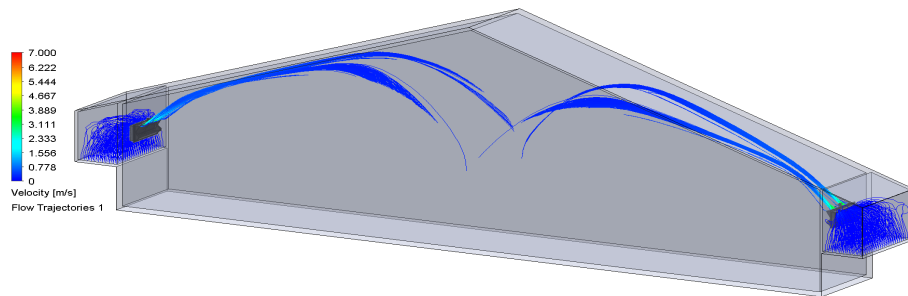


Depending on its position, flaps opening can be staggered between hatches

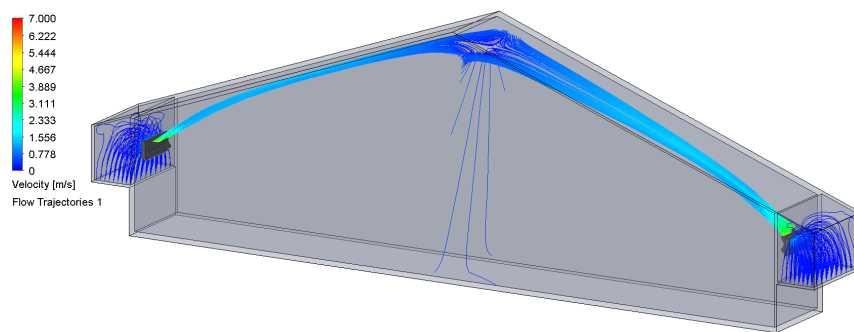


The top of the frame is inclined (sloped), on both sides and forward, ensuring that nothing remains after washing



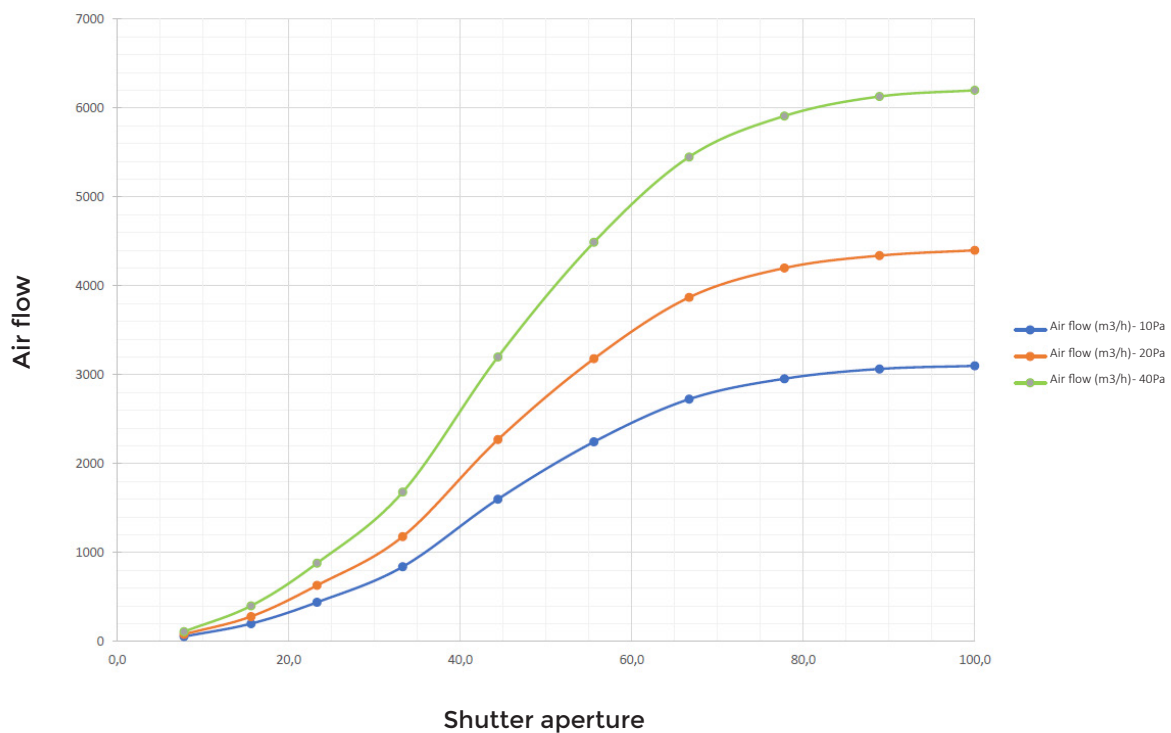


Simulation on an 18 x 100 m building. 15% aperture



Simulation on an 18 x 100 m building. 28% aperture

Air flow graph



- Frame with an offset rotation axis,
- “W”-shaped shutter ensuring two air inlets with a low air flow rate,
- Seal across the entire width of the inlet, from top to bottom,
- From 0 to 15 %, air inlet is made through the “W” shape,
- From 15 to 30 %, an additional (extra) air inlet is made in the center, increasing the two air jets,
- Over 30 %, the air inlet is made over the entire width,
- No deflector: It is built-in (integrated) !
- The “W” shape of the flap ensures an optimal orientation of the air jet,
- Adjustable connection arm, shift opening of the flat between inlets,
- Easy adjustment of the connexion thanks to an integrated nut,
- Made of polyurethane, it offers excellent insulation,
- The offset rotation allows full access to the inlet,
- The top of the frame is inclined (sloped), on both sides and forward, for better drainage after washing,
- Fermeture intégrée sur le système de poulies qui permet de bloquer l'ouverture de la trappe, manuellement,
- Optional accessories :
  - Wind hood (windshield cover)
  - Light trap.

