

SPECIAL INDUSTRIAL DOORS



Pollution protection: recycling depot



Industrial door: insect protection



Hypoxic air fire prevention

Perfect separation of different air qualities

Unpleasant odours, flying insects or chemical pollutants aggravate working conditions and demand cost-intensive protection measures.

arwus air separation units optimally contain areas of differing air qualities ensuring smooth and efficient workflow. Especially when applied to hypoxic air fire prevention zones, considerable cost savings occur and security of fire protection in the rooms at risk is improved.

arwus technology protects passages from cold air ingress, heat loss, drafts and – depending on application – the entry or exit of insects, chemical substances or similar pure or impure air. Unit performance is determined project-specifically with airstream design velocity selected on basis of draft strength to be counteracted in passageway, ensuring the best containment of the air quality to be confined.

Depending on application, two precisely-orientated vertical arwus diffusers, standing left /right of entrance, ensure optimally directed air distribution. The resultant planar air streams get deflected to form a dam in the middle of the passage, halting the transfer of pure or impure substances.

Your benefits

- Perfect protection against insects
- Optimal protection against pollutants
- Containment of unpleasant odours
- Securing the O₂ reduction within hypoxic air fire prevention areas
- High cost-savings

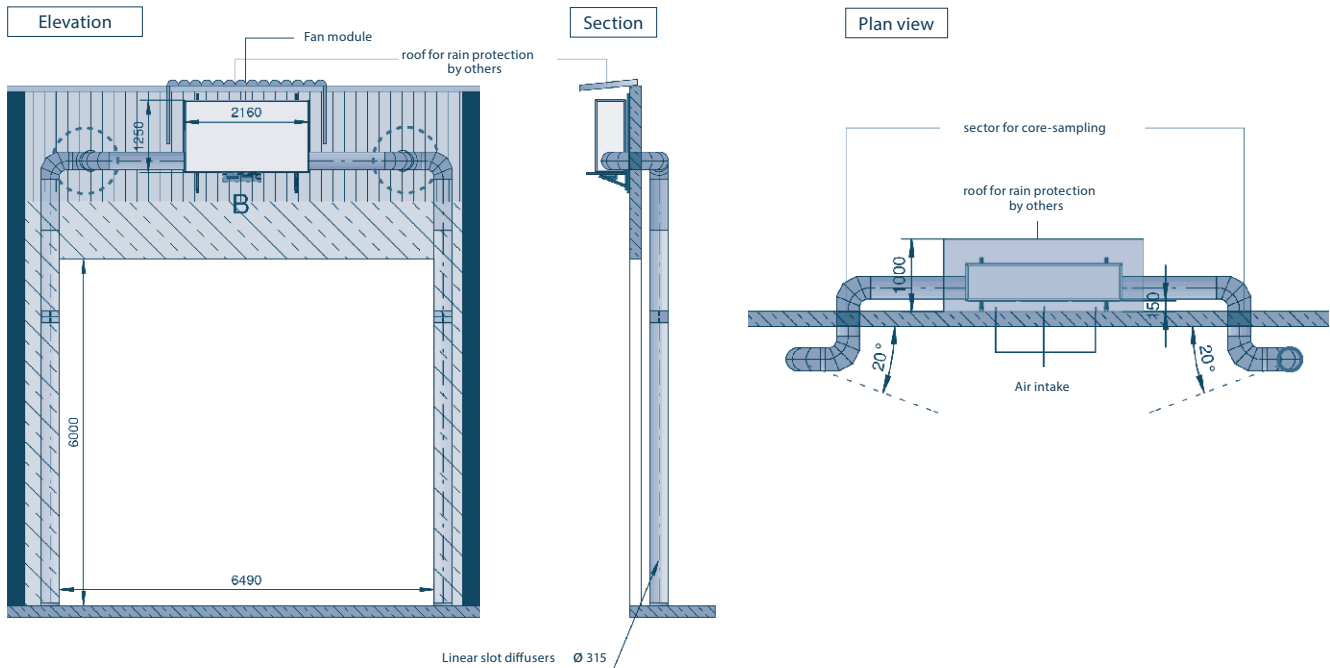
Applications

- Waste management
- Chemical /pharmaceutical industry
- Food industry
- Automotive industry
- Hypoxic air fire prevention (inertised areas)

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Example: Air separation type 3VEC/KX, installation drawing



Standard values

- Door size:
W = 6490 / H = 6000 mm
- Draft constant (DC) = 1,0

arvus-diffusers

- Left /right of door opening, standing
- Colour: selectable,
Material: plastic,
H = max. 5000 mm

Fan module

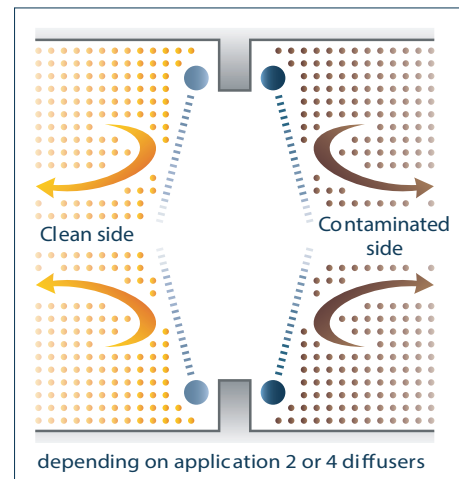
- (W x H x D): 2160 x 530 x 1250 mm
- Weight: approx. 110 kg
- Casing: aluminium
- Colour: white or to customer specification

Controls

- Fan speed preset by stepless variable speed controller
- Remote ON /OFF
- Fault signal

arvus-impact protection (optional)

- Conforming with arvus diffuser type /diffuser diameter
- Robust construction – 10 mm steel plate
- Fixing: heavy-duty anchors
- Overall height: 825 mm
- Corrosion-protected



Plan view



TÜV-certified: equivalence of arvus air separation in comparison with conventional air curtains