

INDUSTRIAL DOORS



Works entrance



Warehouse passageway



Docking gates

Avoidance of drafts

Drafts in factory buildings disturb not only daily work routines but also inflict high energy costs and create staff health issues.

arvus air separation resists cold air ingress, heat loss and drafts plus ensures barrier-free passageways thereby potentially generating considerable energy savings as compared with existing costs.

Unit performance is determined project-specifically with air-stream design velocity selected on basis of draft strength to be counteracted in passageway. Depending on application, two precisely orientated vertical arvus diffusers, standing left / right of entrance, ensure optimally directed air distribution. The resultant planar airstreams get deflected to form a dam in the middle of the passage, impeding cold air ingress.

For pleasant temperatures in door vicinity, arvus air separation units can be equipped with heating option.

Your benefits

- Draft exclusion
- Transit unimpeded
- High energy savings
- Constant temperatures maintained (precision workplaces)
- Individual adjustment

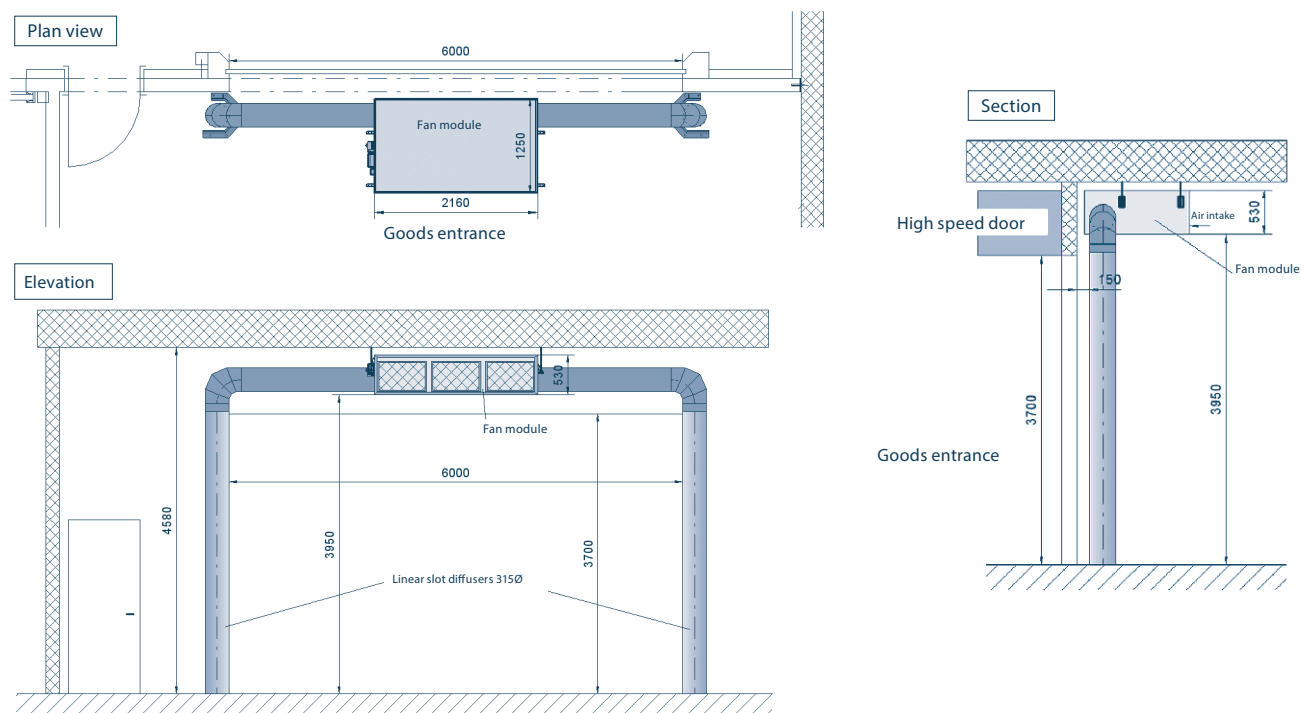
Fields of application

- Industrial hall passageways
- Factory buildings
- Docking gates
- Loading ramps
- Logistic centres

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Example: Industrial door type 3 VEC/KX, installation drawing



Standard values

- Door size:
W = 6000 / H = 3700 mm
- Draft constant (DC) = 1,5

arvus-diffusers

- Left / right of door opening, standing (Ø 315 mm)
- Colour: selectable, Material: plastic, H = max. 5000 mm

Fan module

- (W x H x D): 2160 x 530 x 1250 mm
- Weight: approx. 200 kg
- Casing: aluminium, edge profiles: anodized aluminium
- Colour: selectable, to customer specification

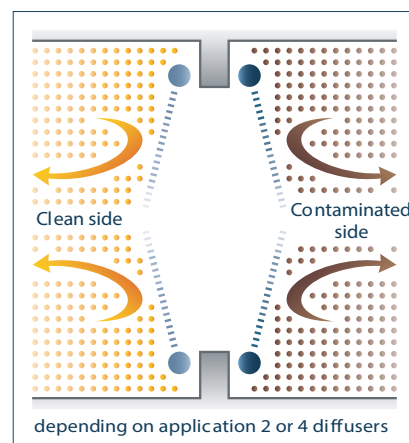
Controls

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

- 2-stage operation:
door CLOSED heating mode /
door OPEN air separation mode
via gate contact

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