



arwus
air separation



About us

Arvus GmbH develops, manufactures and installs functional high-end air separation equipment for reducing heat transfer and conserving air quality.

Active in the market for 25 years, the family-owned company has successfully established patented arvus-technology for the most varied applications. Through sustainable innovative research and development work the company counts as a market-leader.

With the foundation in 1991 of the HVAC engineering company, commenced the development and manufacture of high quality air separation units as an alternative to conventional air curtain technology.

2000 saw the sole proprietorship business evolve into a limited company, LKS Israel GmbH. The step-by-step build-up of a European-wide distribution began.

In 2010 the company took on the successfully-established product and brand name **arvus**® thus signalling the persistent pursuit of progress in the field. With its clear structure, under the leadership of the second generation, the company has been setting new standards for future-orientated solutions in air separation.

A significant extension to the arvus GmbH production facilities took place in 2015. The manufacturing of arvus air separation was optimised by the acquisition of high quality machine tools, enabling, above all, a focus on efficiency and precision. With a team of highly-qualified and motivated personnel, arvus GmbH stands for the achievement of the highest product standards, from development, through manufacture to installation and commissioning.

Based on long-standing knowhow and innovative technologies we are shaping the future with landmark solutions ... with success!



Germo Ritzmann



Christian Israel



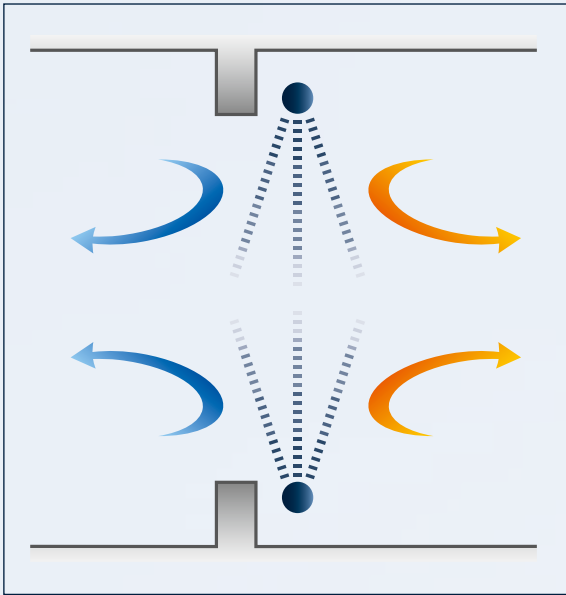
Germo Ritzmann
CEO



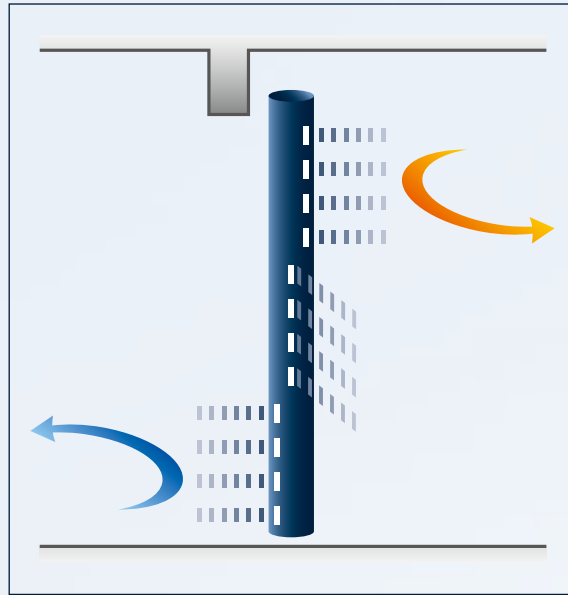
Christian Israel
CEO

Heat transfer

Principle



Plan view



Side view

Application

- Efficient and comfortable separation of air-conditioned client areas
- Prevention of drafts in industrial halls and factory buildings
- Barrier-free transit traffic and movement of goods in warehouses
- Securing of design temperature conditions at precision workplaces

Practice

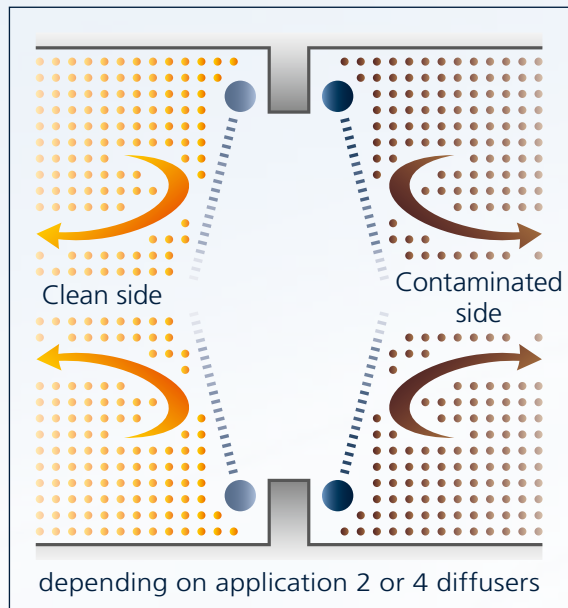


Mall passageway



Warehouse passageway

Substances transfer



Plan view

Principle

- Optimal protection against pollutants and unpleasant odours within waste management
- Separation of impure substances within the chemical/pharmaceutical industry and the automotive industry
- Effectiv insect protection, e.g. in the food industry
- Conserving oxygen reduction in inertised areas (fire prevention)

Application



Industrial doors – insect protection



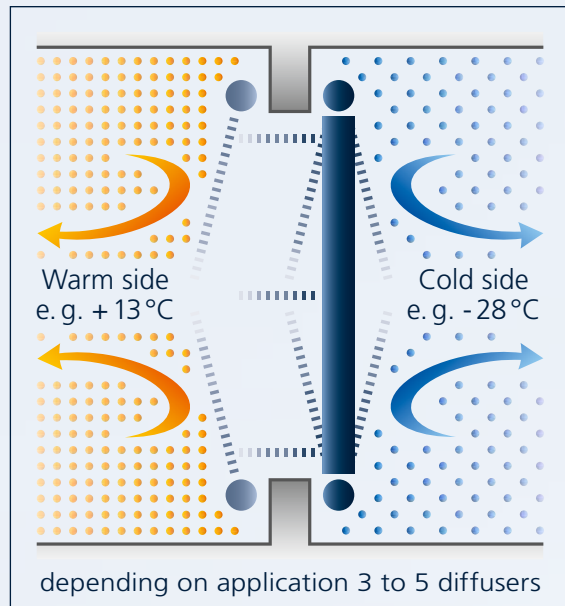
Hypoxic air fire prevention

Practice

Transfer of heat and substances

Principle

High concentration of constituent particles
e.g. water vapour



Low concentration of constituent particles
e.g. water vapour

Plan view

Application

- Reliable separation of different tempered cold store and chilled storage areas
- No sight impairment caused by mist and freezing fog occurrences
- Smooth transport and movement of goods
- Compliant storage due to constant temperatures
- Cost-conscious cold store logistics
- Efficient separation of inertised areas

Practice



Coldstore logistics door



Coldstore logistic door for hypoxic air fire prevention

References

Transfer of heat



Transfer of substances



Transfer of heat and substances



Summary of our national and international references.



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