

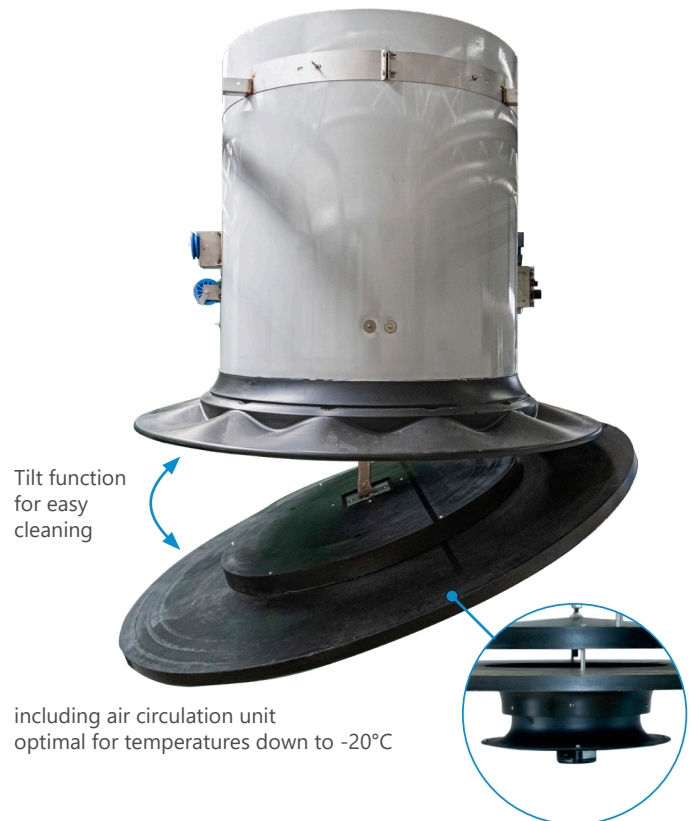
Munters ZLV NG

Fresh air distributor

The ZLV NG fresh air distributor for fresh air distribution across a large distribution radius, even at minimal air flow rate. ZLV NG has been developed for equal pressure ventilation and negative pressure ventilation as well as for compact stable buildings (so-called mono-blocks). The wave structure in the nozzle ensures optimum fresh air regulation even with a minimal opening. This system can also be employed with equal pressure systems (additional fresh air fan required) where the discharge stables have large openings and in areas where leaks and wind influence come into play. The optionally available air conduction unit partially deflects the incoming fresh air at the distributor plate.

Advantages

- Flexible system for every type of stable and animal stock in diameters of Ø 650, 730, 820, 920 mm
- Fresh air distribution across a large distribution radius, also with minimal air flow rates
- All components from thermally insulated polyurethane
- Easy cleaning thanks to tilt function
- Faster and easier assembly
- Optimised service access
- Sturdy design



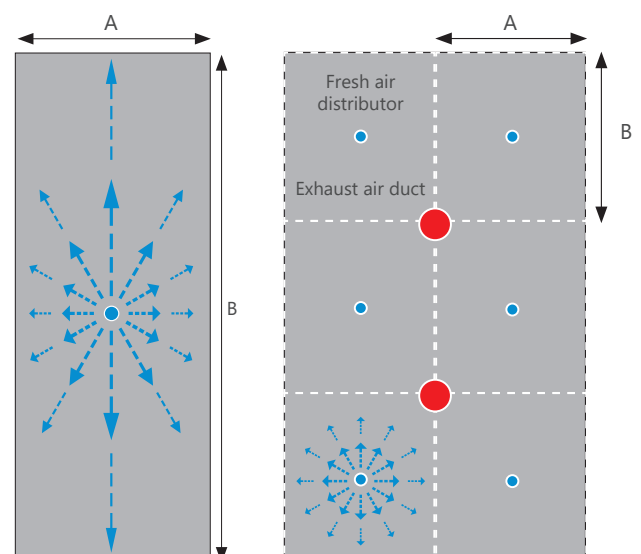
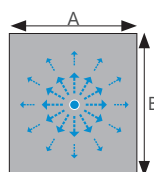
Planning and design

Planning starts with an even distribution of the fresh air distributors (ZLV). Near equal sized rectangles ensure an optimum distribution of fresh air. The fresh air distributor can be employed both in negative pressure systems and in equal pressure systems (integration of additional fan). The side ratio A:B should not exceed 1:1.5. With an air conduction unit, a ratio of 1:3 is possible.

Throwing ranges*

- Ø 650 mm up to 13 m
- Ø 730 mm up to 16 m
- Ø 820 mm up to 20 m
- Ø 920 mm up to 22 m

Design of the fresh air chimney: Rain hood with protective bird grid and top PUR nozzle, 3m air duct.



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Technical data

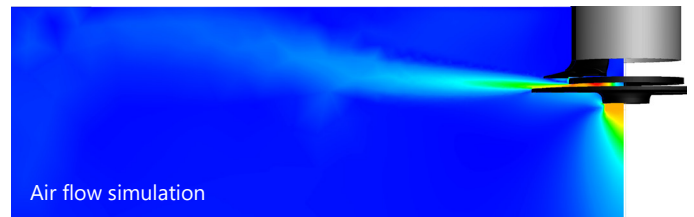
Internal diameter Ø	Air flow	
	Equal pressure ventilation	Negative pressure ventilation [40 Pa]
650 mm	10.500 (m³/h)	10.000 (m³/h)
730 mm	15.300 (m³/h)	12.700 (m³/h)
820 mm	20.300 (m³/h)	15.600 (m³/h)
920 mm	20.800 (m³/h)	19.500 (m³/h)

Fresh air distributor for rope drive (centralised variant).
For the fresh air supply over the roof to the central control.
Several fresh air distributors are controlled via a central drive unit. The optional recirculation fan caters for a better intermix of fresh air with stable air.

* incl. recirculation fan + 296 mm

- This allows flows in the stable with a length and width ratio of 1:1.5
- Easy to assemble
- Up to 8 fresh air distributors per motor

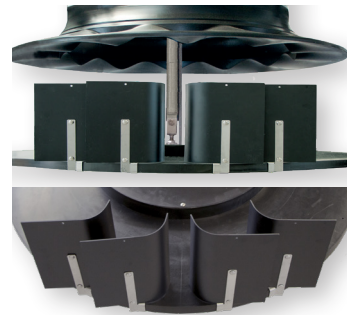
Electric cylinder not included in the scope of delivery.



ZLV air conduction unit

For partial diversion of the incoming fresh air at the distributor plate. This can be required under various construction conditions, for example when using the fresh air distributor close to a wall or with the installation of two fresh air distributors close to each other.

- With an air conduction unit, a ratio of 1:3 is possible
- A quadratic configuration of air distribution is no longer essential



ZLV NG air capacity

