VDL Agrotech designs complete ventilation systems

- Durable
- Energy saving
- Maintenance friendly
- Optimized for local climate conditions

### Airmix Unit
- Made of polyurethane
- Uniform mixture of fresh- and inside air
- Automatic control of air mixing and air inlet
- Mixing valve controlled by servo motor or central electric winch
- Energy saving, no frozen inlets, dry litter
- Excellent in combination with, or alternative for side wall inlets

### Ventilation Chimneys
- Made of polyethylene or polyurethane, insulated
- Resistant to UV radiation, acids and abrasive gases
- Suitable from -30 to +60° Celsius
- Available in various diameters
- Modular system, low transport volume
- Roofplates in accordance with roof profile and slope
- Cylinder-, cap- or venturi chimneys available
- Easy installation of fans
- Light traps for dark houses available

### Chimney Fans
- Stable mounting with special supports
- Optional speed controllable
- Low noise level
- Mounting diameters 30- to 92 cm
- Available in single- and three phase

### Air inlet valves
- Stable high quality polyurethane, insulated
- Flanged round, solid gauge on top side
- VFD-100E-C, electric control for servo valve operation
- VFD-200E-C, VFD-300E-C or VFD-400E for fewer operators
- 115/230V with variable voltage and energy saving, suitable for use on solar inlet systems in poultry houses

### Tunnel inlet (rack and pinion)
- Tooth rack system centrally controlled
- Stepless control
- High insulation value (sandwich panels)
- Durable
- Draught free due to weatherstrips
- Easy to clean
- Not dependent on standard installation dimensions

### Technical Specifications
- **Air inlet valves**
  - Type 6000-VFG-4
  - Rack and pinion
  - **Type 3000-VFG-C**
  - **Type 1800-VFG-C**
  - **Type 145-VFG-C**
  - **Cap. at 10 Pa**
  - **Cap. at 20 Pa**
  - **Cap. at 40 Pa**

- **Technical specifications**
  - **Ventilation chimneys**
  - **Airmix unit**
  - **Chimney fans**
  - **Air inlet valves**
  - Nozzle spray system (Optimist)

### VDL Agrotech

The ventilation system that breathes quality

VDL Agrotech

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**Climate controllers**

VDL Agrotech offers a wide range of climate controllers to cover specific applications.

More information can be found in our brochure "VDL Agrotech helps you to stay in control!"

**Model range climate controllers**

- **Orion**
- **Sirius CL**
- **Cygnus**
- **TD212**

**Optional**

- Fan with exhaust valve to avoid condensation
- Pads with additional coating to reduce light penetration
- Central control system

**Cooling system with corridor**

- Exhaust fan
- Wall mounted fan
- Cross flow ventilation
- Filtered air supply
- Low noise level
- High pressure models available (150-250 Pa)

**Optical**

- Pads made of synthetic material, treated with light filter to reduce light penetration
- Centrally controlled from climate computer
- Flexible modular system for easy installation
- High pressure pump, filter unit included
- Automatic pump controller and valves included
- Working pressure 40 bar, flexible PE hose
- Working pressure 70 bar, stainless steel tube

Pads are made of corrugated cellulose paper treated with chemicals to prevent rotting.

The unique design and high absorption capacity gives optimal cooling effect.

Distribution pad for optimal water distribution.

Pads available in 10- and 15 cm thickness, heights variable up to 2 meters.

Pads optional available with light filtration for dark houses.

Gutters made of corrosion free material with plastic coating, aluminium or PVC material.

**Winches**

- VDL-10 / -20 / -30 and -40 serie
- Stainless steel fan blades
- Centrifugal opening mechanism with counterweights

**Synthetic venturi**

- Lighttrap optional available
- Assembled at factory

**Fans**

- VDL-130
- Orion series
- Three dimensional blades for increased air speed
- Low noise level
- Reduced air resistance due to unique strips on top of blades
- Also available with 5 blades for higher pressure (>60 Pa)

**Winches with light trap**

- VDL 455 / 650
- Deltaweitig, angle, or double triangle
- Made of galvanised steel sheet
- Maintenance friendly
- Including safety cover for servo motor

**Shutters/ Light traps**

- Light trap for chimney
- Shutter with servo motor
- Shutters/ Light traps
- Wind shield with light trap
- Winches
- VDL-130 with cone
- RS 455 / RS 850
- One shaft for winch drum (one- or two shafts RS 850)
- Maximum winding capacity 455 kg. (RS 455) / or 850 kg. (RS 850)
- Endswitches incorporated
- Feedback with 5 kOhm potentiometer

**Opticool**

- Opti Cool system
- Optimist
- Wall mounted fan

**Wall mounted fans**

- Optimistic
- Cooling system with corridor