

Ventilation chimneys

Ventilation chimney



Ventilation chimney

- Made of polyethylene or polyurethane, insulated
- Resistant to UV radiation, acids and abbeasive 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

Airmix unit

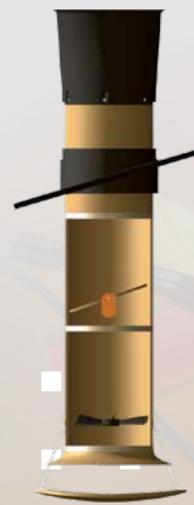


Airmix unit

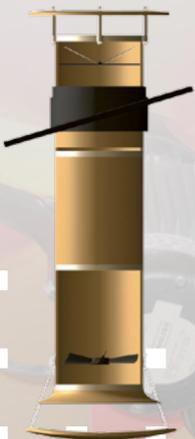
- Made of polyurethane
- Uniform mixture of fresh- and inside air
- Automatic control of air mixing and air inlet
- Mixing valve controlled by servo motor or central electric winch
- Energy saving, no frozen inlets, dry litter
- Excellent in combination with, or alternative for side wall inlets

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



chimney with wind ring and control valve



chimney with rain cap and butterfly valve



chimney fan

Dealer



Technical specifications Econofans

Type	Dimensions L x H x D	Quantity of blades	Material of blades	Power (kW)	Voltage (V)	Capacity at 10 Pa (m³/h)	Capacity at 30 Pa (m³/h)
VDL-10	800x800x330 (A)	6	SS	0,37	230/400V	12000	9000
VDL-20	960x960x330 (A)	6	SS	0,37	230/400V or 230V	14500	13000
VDL-30	1150x1150x330 (A)	6	SS	0,55	230/400V	21500	18900
VDL-40	1380x1380x330 (A)	6	SS	1,10	230/400V	36500	33500
VDL-40	1380x1380x330 (A)	3	SS	1,10	230/400V	42000	38500
VDL-130	1380x1380x370 (B)	5	Synthetic	1,35	230/400V	38000	35000
VDL-130	1380x1380x370 (B)	3	Synthetic	1,50	230/400V	43000	39000
VDL-130 cone	1380x1380x1190 (B)	5	Synthetic	1,30	230/400V	40500	37500
VDL-130 cone	1380x1380x1190 (B)	3	Synthetic	1,45	230/400V	45000	41000

A = Depth including shutter is + 75mm
B = Depth including shutter is + 85mm

Technical specifications Air inlet valves

Type	Mounting dimensions (L x H x D)	Outside dimensions (LxH)	Cap. at 10 Pa (m³/h)	Cap. at 20 Pa (m³/h)	Cap. at 40 Pa (m³/h)
135-VFR-C	650x270x108 mm	710x330 mm	1450	2050	2900
145-VFG-C	650x270x95 mm	730x350 mm	1450	2050	2900
1800-VFG-C	533x406x118 mm	613x486 mm	1800	2700	3600
3000-VFG-C	857x373x118 mm	937x453 mm	2900	4100	5800
6000-VFG-4	1500x1600x135 mm	1610x1710 mm	23200	31000	46400

Technical specifications Nozzle spray system (Optimist)

Capacity	Quantity of nozzles	Pressure
1 ltr/min.	30 - 94	40 bar
2 ltr/min.	71 - 179	40 bar
42 ltr/min.	141 - 356	40 bar

V2009801

VDL Agrotech

P.O. Box 8822, 5605 LV Eindhoven, T: +31 (0)40 29 25 500
www.vdlagrotech.nl, info@vdlagrotech.nl, F: +31 (0)40 29 25 501



- VDL Agrotech designs complete ventilation systems
- Durable
- Energy saving
- Maintenance friendly
- Optimized for local climate conditions

VDL Agrotech

VDL

Air inlet valves

Air inlet valves

- Made of high quality polyurethane, insulated
- Flanged models, with flange on front side
- 145-VFG-C, standard model for almost all applications
- 1800-VFG-C and 3000-VFG-C for bigger air flow capacities
- 135-VFR with bottom hinge and straight flap, suitable for pig houses or tunnel inlet systems in poultry houses



Tunnel inlet 6000-VFG-4

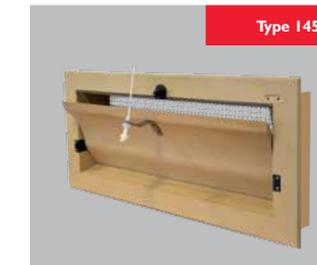
Tunnel inlet (rack and pinion)

- 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

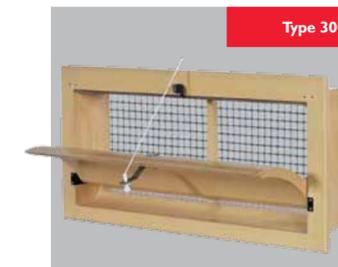


Rack and pinion

Type 145-VFG-C



Type 3000-VFG-C



Rack and pinion



VDL

The ventilation system that breaths quality

Shutters/ Light traps

Shutter with servo motor



Shutter with Servo-motor

- Optimal airflow capacity
- Made of galvanised steel sheet
- Maintenance friendly
- Including safety cover for servo-motor

Light trap for chimney



Light trap for chimney

- The chimney holes are completely dark. No light can enter
- Stable fixation on the chimney

Wind shield with light trap



Windshield with lighttrap

- Galvanised wind protection covers
- Integrated light trap to dark out the house
- Aerodynamic design to avoid airflow resistance

Winches

RS 455/ RS 850

- One shaft for winchdrum (one- or two shafts RS 850)
- Maximum winding capacity 455 kg, (RS455) / or 850 kg, (RS 850)
- Available in one- or three phase motor
- Endswitches incorporated
- Feedback with 5 kOhm potentiometer



RS 850 with 2 winchdrums

GW30 with one double winchdrum

GW10 - 30

- One shaft for single- or double winchdrum
- Maximum winding capacity 400 kg.
- Available in one- or three phase motor
- Endswitches incorporated
- Feedback with 5- or 10 kOhm potentiometer

Climate controllers

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

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



Cooling

The VDL cooling systems provide an optimal temperature and humidity in the building, related to outside temperature and humidity

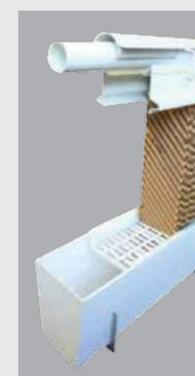
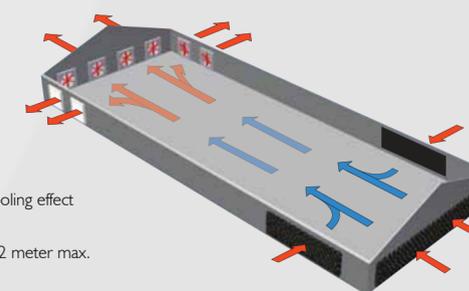
Optimist

- Simple and efficient nozzle cooling system
- Useable as humidication system
- High pressure pump includes filter unit
- Automatic pump controller and valves included
- Centrally controlled from climate computer
- Flexible modular system for easy installation
- Working pressure 40 bar, flexible PE hose
- Working pressure 70 bar, stainless steel tube



Opticool

- 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 upto 2 meter max.
- Pads optional available with light filtration for dark houses
- Gutters made of corrosion free sheet metal with plastic coating, aluminium or PVC material



Cooling system with corridor

Fans

VDL-10/ -20/ -30 and -40 serie

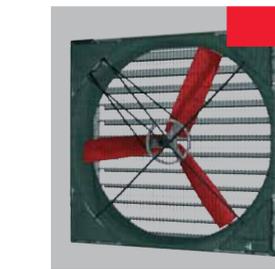
- Stainless steel fan blades
- Centrifugal opening mechanism with counterweights
- Synthetic venturi
- Lighttrap optional available
- Assembled at factory



Econofans VDL-20 and VDL-40

VDL-130

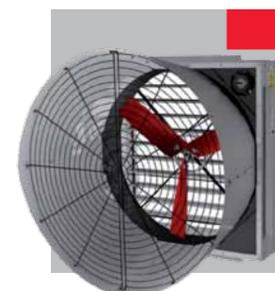
- Aërodynamical design
- Three dimensional blades for increased air speed
- Low noise level
- Reduced air resistance due to unique strips on top of blades
- Also available with 5 blades for higher pressure (>60 Pa)
- Suitable for use with lighttraps



Econofan VDL-130

VDL-130 with cone

- 10% higher performance than standard fan
- Cone made of galvanised steel sheets
- Protection grid
- Shutter on the front side of the fan
- Easy to clean for optimal hygiene
- 3 and 5 blade model available



Econofan VDL-130 Cone

Wall mounted fan

- Propeller diameter from 30- to 92 cm
- Synthetic blades and casing
- Optional speed controllable
- Low noise level
- Available in single- and three phase
- High pressure models available (150-250 Pa)



Wall mounted fan