



TOTAL CONSTRUCTION

complete shed solutions



MADE IN HOLLAND

from wall sheeting to aviary systems

complete refurbishment and new build.

Beek Agri B.V.

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Beek agri is the number-one

when it comes to the complete construction of poultry houses and wintergartens.

About Beek Agri

For some years now, Beek has been involved in the manufacture and supply of leading products for the agricultural market, and has been operating under the name of Beek Agri since 2017.

Beek Agri is increasingly focusing on complete construction within the poultry sector. For example, together with its partners, Beek Agri excels in the supply of complete solutions in the form of complete sheds, including aviary design, free-range hatches, daylight solutions, wintergartens, aluminium wicket and sliding doors, roof and wall sheeting and heat exchangers, among other things.

This intercompany cooperation - with Beek Agri as the main contractor - enables us to provide a great deal of products and services. Some products and services at a glance:

Beek agri

- > main contractor,
- > daylight solutions,
- > free-range systems.

Beek montage

- > steel installation,
- > roof and wall sheeting,
- > aluminium ceiling installation & insulation.

Beek deuren

- > aluminium wicket doors,
- > sliding doors,
- > partitions and interior doors.

Beekamp

- > heat exchangers,
- > carcass coolers,
- > climate solutions.

Processing, manufacture and installation

Our extensive range of machinery in Wekerom is capable of processing wood, aluminium profiles and sandwich panels into high-quality products. Together with our skilled personnel, we excel in welding and installation work, as well as the manufacture of complete construction components.

If you have any queries or comments, please contact us by telephone at +31 (0)318 701 047, or by email at info@beekagri.nl



Why should you choose Beek agri as your builder?

> Knowledge

Has industry knowledge and experience. As a result, 1 point of contact for the entire build.

> Innovation

Responds to market demands, and develops innovative products in-house.

> Solution-focused

Brainstorms with the customer, and always goes for the best solution at a reasonable price.

> Reliable

We honour agreements, and are committed to excellent customer relationships.

> Outstanding price-quality relationship

Hard-wearing basic material in combination with high quality and finish.

> Expert team

Motivated staff with a passion for the business, and who keep going where others stop.

> Guarantees

Beek officially transfers the manufacturer's warranties of used materials to you, so that you are assured of long-term use of your shed or hangar. We also have extensive experience when it comes to fire classes and certification.



Besides poultry, Beek also has lots of knowledge and experience in the following sectors:



poultry



pigs



calves



other

Beek's products and services

daylight systems
pages 8-13



free-range systems
pages 14-19



chore time aviaries
pages: 22-23

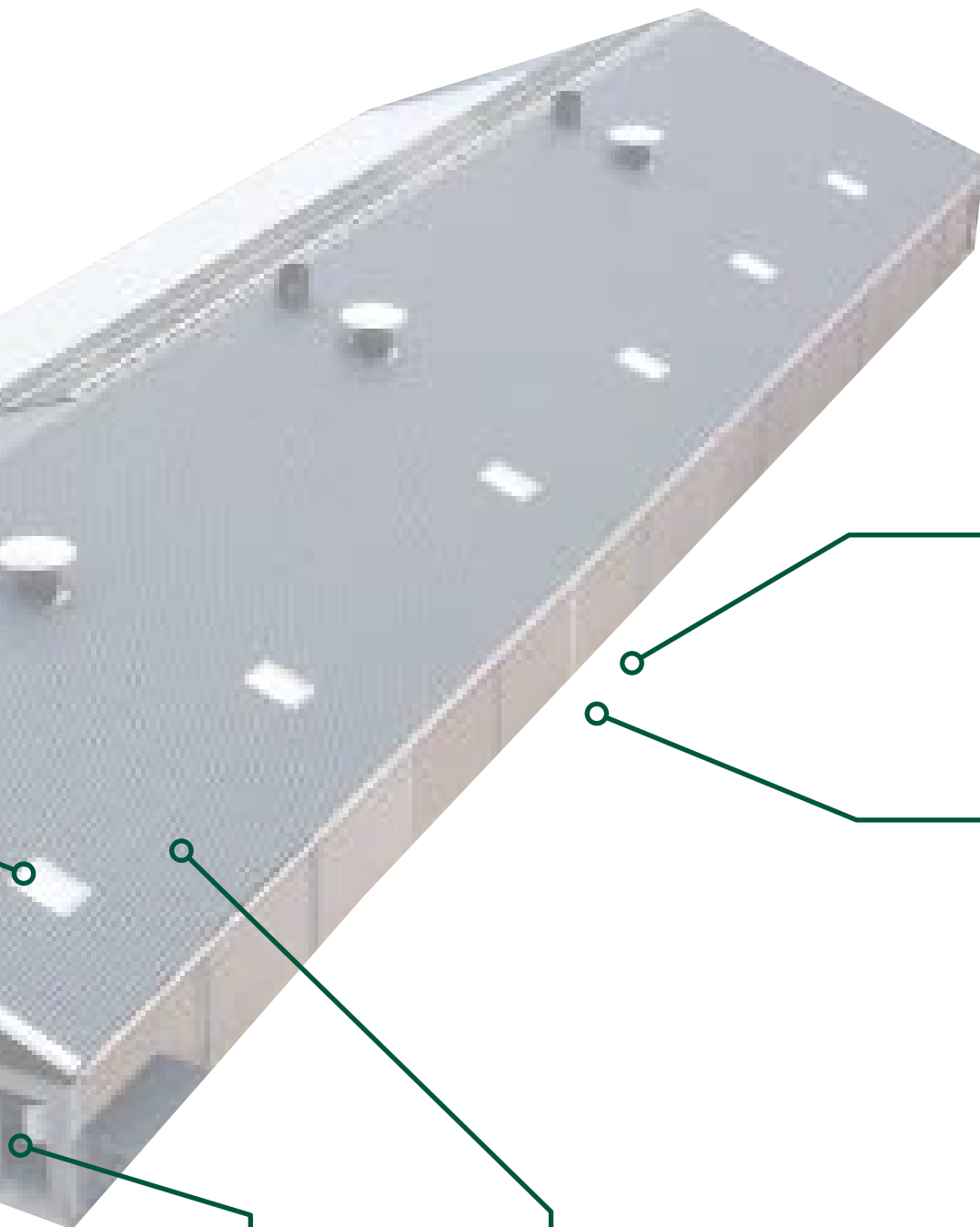


FARMTEC rod conveyor
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carcass coolers
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doors and partitions
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beek deuren bv

roof and wall sheeting
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beek montage bv

Daylight systems

You can achieve the best light distribution with natural daylight in your shed with Beek Agri's dimmable skylights. The skylights are installed into the slanted roof surfaces, and are used in new-build as well as renovation projects.



VDV plus
page 10



VDV eco
page 12



beek agri

VDV plus

insulated dimmable skylights



-  High-quality aluminium and EPP
-  Standard double-insulated flat and corrugated polycarbonate
-  EPP slats 6 or 7 pcs and frame
-  Air and dust-proof
-  Lightweight product (installation)
-  Splash-proof with moisture dissipation
-  RC value of 3.1 m²K/W
-  Natural daylight diffusion by means of 10mm opal polycarbonate

Description

Beek Agri's dimmable skylights provide evenly distributed light in your shed; however, when the slats are closed, the skylights darken your shed extremely effectively.



100%
open



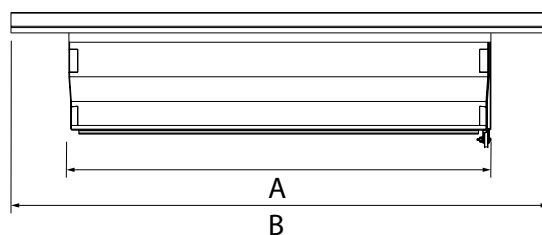
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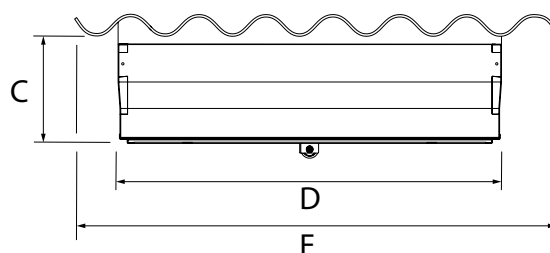
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Dimensions	VDV1000+	VDV1200+
A = internal skylight length	1050	1200
A = external skylight length	1530	1530
C = height of skylight	250-350	250-350
D = internal skylight width	1015	1015
D = external skylight width	1152	1152

side view (between the purlins)



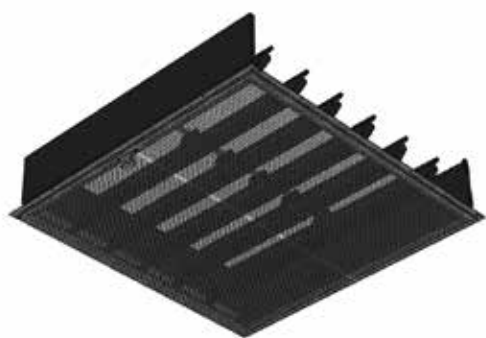
front view





VDV eco

dimnable skylights



- ✓ High-quality sendz. steel and shuttering
- ✓ Double-insulated with 10-10mm polycarbonate as standard
- ✓ EPP slats 6 or 7 pcs
- ☞ Air and dust-proof
- € Excellent price-quality relationship
- 💧 Splash-proof with moisture dissipation
- ☀ Natural daylight diffusion by means of 10mm opal polycarbonate

Description

Beek Agri's dimmable skylights provide evenly distributed light in your shed; however, when the slats are closed, the skylights darken your shed extremely effectively.



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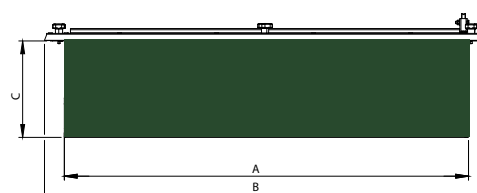
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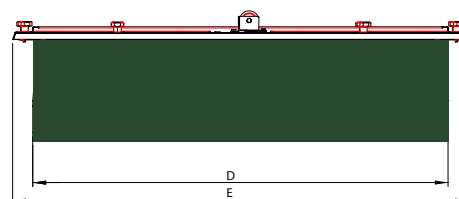
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Dimensions	VDV1000 eco	VDV1200 eco
A = internal skylight length	1025	1175
A = external skylight length	1135	1290
C = height of skylight	220	220
D = internal skylight width	1000	1000
D = external skylight width	1050	1050

side view (between the purlins)



front view





Free-range systems

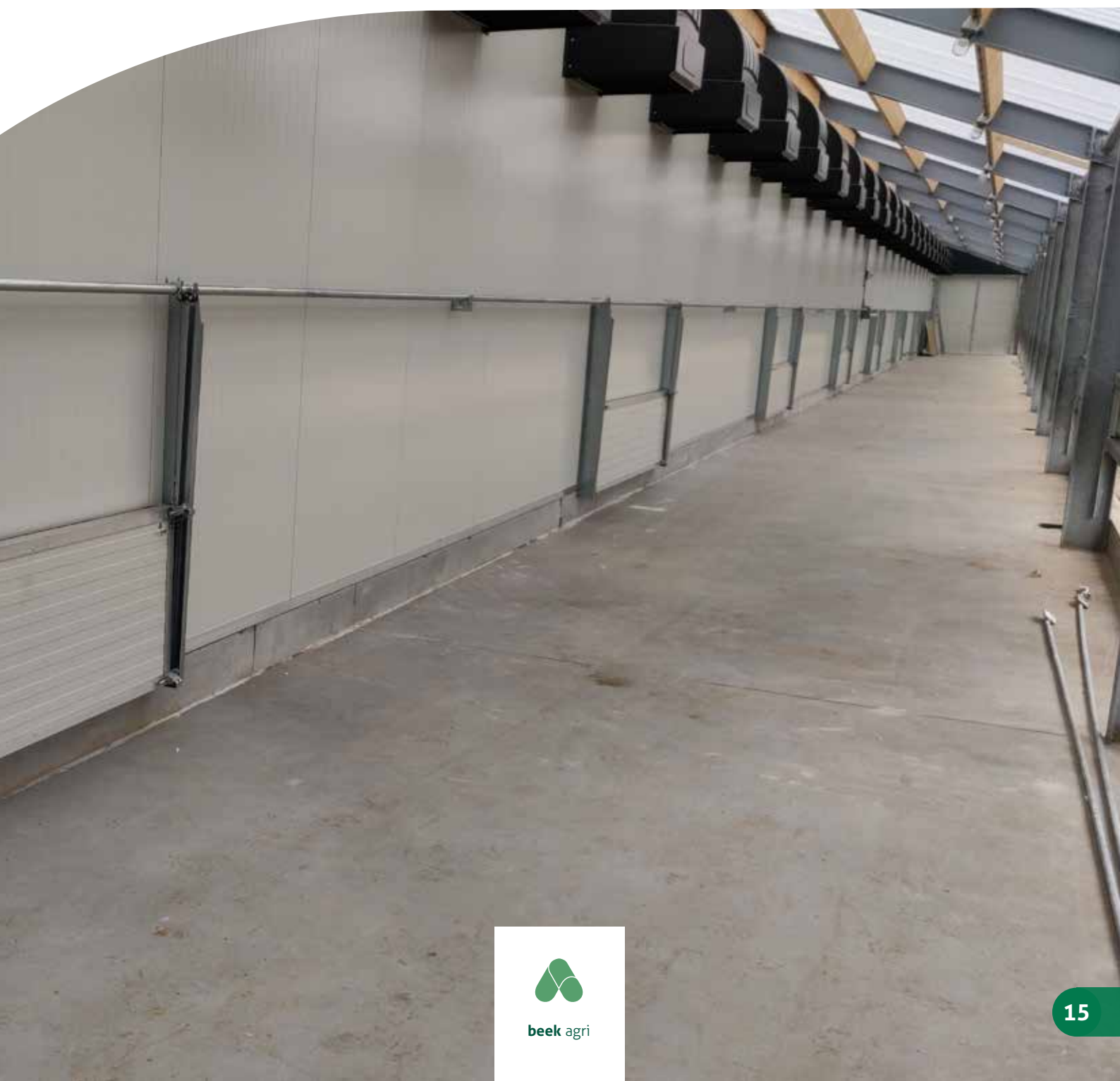
Beek Agri's free-range hatches are air tight, have a high insulation (RC) value, and are available in any dimension.



ULK plus
page 16



ULK bu
page 18



beek agri

ULK plus

adjustable insulated free-range hatches



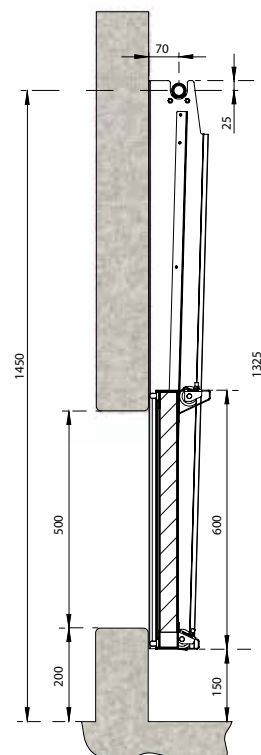
- ✓ High-quality sendz. steel and aluminium
- ✓ Hatch dimensions up to 5m (W) x 2m (H)
- ✓ Customised hatch solutions available
- ✓ Adjustable guidance thanks to wheel holders and runners
- 🐔 Peckproof
- 🌀 Air and dust-proof through seals
- 📊 Lightweight product (installation)
- 💧 Water-resistant materials
- 🌡️ Insulated thanks to the use of PIR

Description

Beek Agri's free-range plus inner or partition wall hatches are airtight, have a high insulation value, and are available in any dimension.

Options, such as allowing daylight to enter and higher RC values, are available. The sliding hatches are opened and closed by means of a pipe-drive system with winch cables.

side view ULK plus





ULK bu

transparent (winchable) visibility hatches



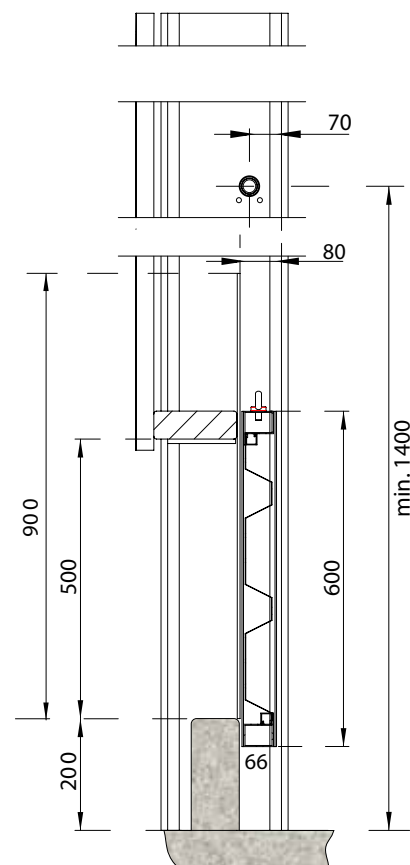
- ✓ High-quality aluminium
- ✓ Low-maintenance product
- ✓ **Frames with tempered glass available**
- 🐔 Peckproof
- ☀ Direct lighting with transparent model (*beter leven 1 of 2 stars*)
- 📏 Lightweight product (installation)
- 💧 Water-resistant materials
- € Excellent price-quality relationship

Description

Beek Agri has developed free-range hatches specifically designed for wintergartens

These hatches are an excellent and sturdy alternative to roller blinds. This system is available in combination with PERFO sheet pile walls and precast concrete sills.

side view ULK bu





Aviary systems & accessories

Beek Agri is a dealer of the renowned Chore-Time VIKE Aviary systems. The VIKE systems are highly adaptable to fit the layout of your shed. We can supply water to your shed with IMPEX water solutions. We can provide egg transport through our dealership with FARMTEC.



CHORE TIME
page 22



FARMTEC
page 24



IMPEX
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beek agri

CHORE TIME

VIKE aviary systems



RDE system: extrusion system which is robustly built and easy to maintain, failure-free extrusion.



Clearly laid-out system: easy nest inspection and visibility due to low base height.



Click & fix system: the nesting walls and roofs are removable, and easy to repair.

Description

Beek Agri is a dealer of Chore Time Aviary systems.

The VIKE systems are highly adaptable to fit the layout of your shed.

A low-profile design contributes to the adaptability of VIKE aviaries to existing poultry houses with low ceilings. This design also provides for full visibility, making it easy to inspect the entire shed.

VIKE aviaries are equipped with VALEGO nests with the efficient Rack Drive Expulsion (RDE) system. (Rack Drive Expulsion)

VALEGO nesting systems also provide a robust structure with high-quality plywood panels. This makes them easy to install and maintain. The self-cleaning nest mats help create the ideal environment for poultry.

VIKE- 2



2 manure belt tiers and
1 nest tier.

3 width models:
1825 - 2090 and 2610mm

VIKE- 5 (multi-tier aviary)



2 manure belt tiers and
1 nest tier.

top tier 1825mm
lower tier 2610mm

A VIKE aviary with 3 manure belt tiers in order to increase living space is also an option. Customisation, such as an intermediate tier is possible, and we will be happy to take care of this for you!



ULTRAFLO feed spiral:

- > rapid feed distribution
- > low feed wastage
- > low engine power required



FARMTEC

rod conveyor belts egg transport



Description

Beek Agri is a dealer of FARMTEC egg transport.

FARMTEC is a Dutch company founded in 1979, and which has been part of The Smart Farming Company since 2017.

FARMTEC egg conveyors are suited to many poultry systems and sectors. Different transport widths allow transport of up to 72,000 eggs per hour.

The galvanised bars ensure small contact area and smooth flow of eggs. The open structure makes the rod conveyor belts less susceptible to dirt.

Depending on the length, the rod conveyor belts are powered by a front drive as head. Should the length be that long, a final drive or intermediate drives are an option.



Lightweight aluminium frame: strong yet lightweight, resistant to shed conditions.



Modular system: easy to assemble and install, with as many pre-assembled parts as possible.



Easy cleaning: rounded parts with few seams ensure a hygienic system.

Some FARMTEC features

Chain widths

- > 30cm
- > 40cm
- > 50cm
- > 60cm
- > 80cm

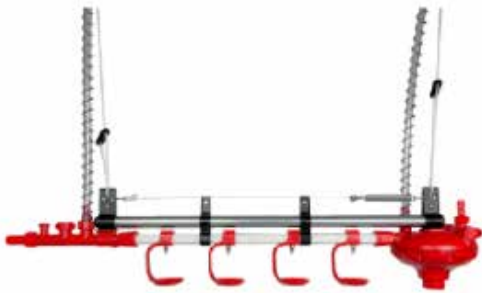
Chain types

- > flat (SPB) max 15 degrees rise.
- > stepped (SPBV) max 20 degrees rise.
- > extra stepped (SPBEV) max 40 degrees rise.



IMPEX

closed drinking water systems



Description

Beek Agri is a dealer of IMPEX watering solutions.

With a complete, closed drinking water system, your chickens have access to sufficient clean, fresh and cool drinking water at all times.

IMPEX drinking water systems contribute to the health and performance of broilers, layers, breeders and parent stock in all types of housing.

This is how a closed drinking system works

A closed drinking water system is connected to the shed mains. A pressure reducing valve on the water control panel reduces water pressure to approximately 1.5 to 2 bar. The water then passes through several drinking water pipes into the shed to the drinking lines.

Each drinking line is equipped with a pressure regulator to adjust the water pressure on the lines, and to ensure that each drinking nipple delivers enough water. These nipples release water when the chicken taps the pin in the nipple with its beak.



Everything under one roof: all parts fit together seamlessly, and are in stock.



High-precision water dispensing: the tolerances we apply ensure exactly the amount of water promised



Long service life: low total cost of ownership through use of high-quality materials

Some IMPEX products:

Drinking nipples

IMPEX provides a choice of different drinking nipples to ensure optimal water intake. The drinking line can be fitted with collection trays to prevent wet manure.



Water control panel

The control panel is the basis for the automatic drinking system. This reduces the water pressure of the main pipe, as well as filtering the water supplied. Optionally, a liquid dosing pump can be connected to the panel.



I-flow pressure regulator

This pressure regulator at the start of the drinking line further reduces the water pressure. The pressure regulator is equipped with a flushing kit that allows manual flushing of the drinking line. This can also be done automatically using an optional actuator.



End air outlet set

The outlet set is installed at the end of each drinking line. Based on the water level in the air outlet tube, the pressure in the drinking line can be checked. The end set is connected to the main drainage pipe through a drain tube, making it possible to flush the pipes.





Complete construction

Are you planning a new build or refurbishment of your chicken coop? Together with you, Beek Agri will draw up the plans for a wintergarten that is geared towards maximising returns. We put your interests and those of the animals first, with everything within an appropriate budget. In association with our partners, we will take care of the complete construction.



ROOF & WALL

page 30



beek montage bv

DOORS & PARTITIONS

page 32



beek deuren bv



beek agri

ROOF

installation of complete construction



Beek Montage BV

Behind the name Beek Montage B.V., lies a company which, in 2008, first went into business as a roof and wall sheeting firm. In terms of complete construction, Beek Montage BV takes on steel installation, roof and wall sheeting and, among other things, wintergarten construction.

Thanks to their years of experience, they can carry out construction work quickly and efficiently. From 3D design to the installation of roofs and walls, Beek has everything in-house.

Gutters

Beek Montage supplies gutters in any size and design. Thanks to our own gutter service, we can supply the right aluminium gutter or valley gutter, and install rainwater drainage flexibly and precisely.

Wall sheeting

Are you looking for single-walled steel or insulated wall panels? Beek Montage supplies, among other things, sandwich panels, profiled sheets, structural liner trays and flashings.

Roof sheeting

Beek Montage can supply and install single-walled roof sheeting or insulated sandwich panels. The right colour, profile and RC value are all possible.

Fire class A

When a high fire class is required, Beek Montage can supply a roof package with corrugated fibre cement sheets, glass wool and an aluminium ceiling that complies with fire class A. Just ask us for the options.



Materials

To ensure construction goes as smoothly as possible, Beek Montage has a variety of its own machinery.

For example, we have at our disposal:

- > our own tower crane,
- > in-house telescopic handlers,
- > different types of aerial work platforms,
- > truck with trailer and hood,
- > work cage for remediation,
- > work cage for installing aluminium ceiling,
- > tidy working equipment with sufficient tools.



DOORS

doors and partitions



Beek Deuren BV

Beek Deuren has been involved in the manufacture and supply of doors for agriculture and industry since 2009. Over the years, the company has expanded to a team of around ten dedicated staff who work on the widest range of projects in the Benelux on a daily basis.

Wicket and hinged doors

When it comes to the agricultural sector, Beek Deuren has a number of products that are suited to your overall project. For example, Beek Deuren has a wicket door with a rubber seal in the reveal and 80mm insulation. In addition, large hinged doors with rubber seal and latches can also be supplied and installed.

Partitions

Partitions in both the wintergarten and the shed itself can be provided by Beek Deuren. The aluminium partitions with hot-dip galvanised wire mesh are a high-quality solution, and are available in any dimension. The partitions are available in foldable, as well as collapsible, models.





Climate solutions

Beekamp supplies climate solutions in the form of heat exchangers and carcass coolers, among others. Our products improve the climate of your shed in terms of fine particulate reduction, heat management and manure drying.



HEAT EXCHANGERS

page 36



CARCASS COOLERS

page 38



beekamp

AIRHOUSE

Heat exchangers

Our air/air heat exchangers have a high and constant efficiency, even with smaller temperature differences between indoor and outdoor climate. The heat exchanger can be fitted with a filter unit to keep the interior of the exchanger clean.

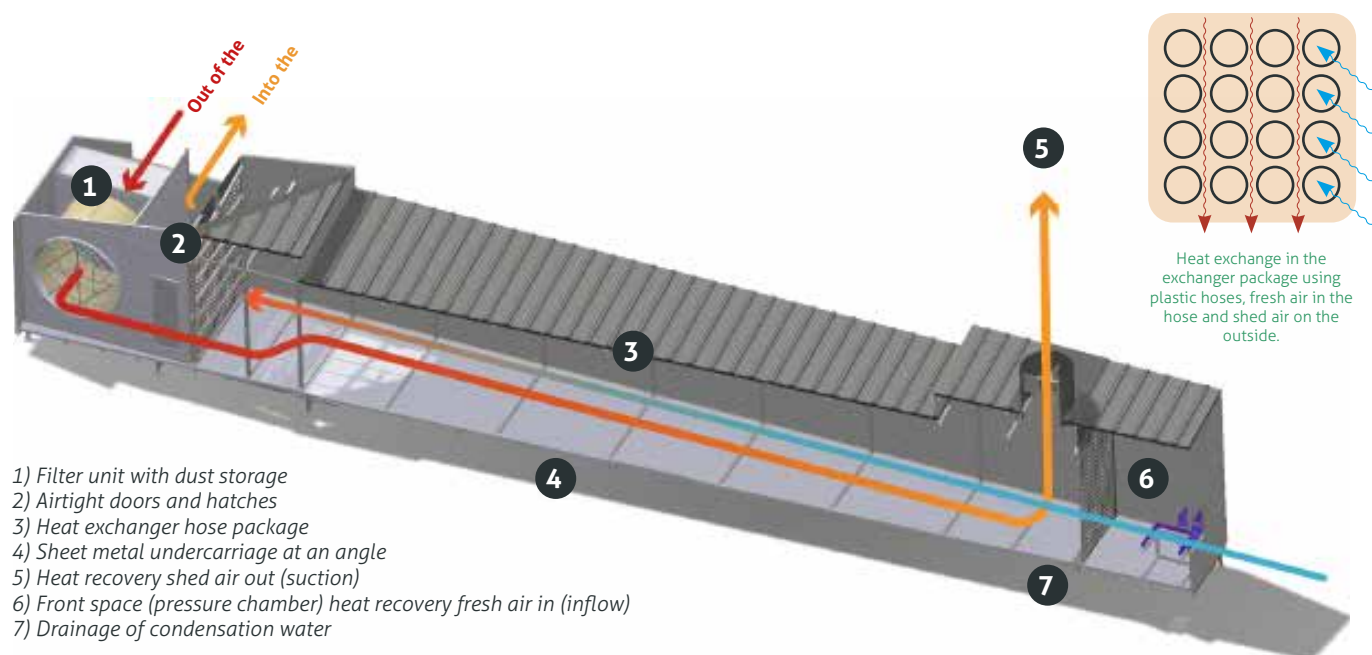
The heat exchangers are constructed from sendzimir galvanised sheet metal components as sub-frame and 60mm PIR sandwich panels with agri coating as walls and ceiling.

- Can be equipped with heating and recirculation
- Low internal resistance in the exchanger, high volume flows available
- High and constant efficiency
- Low energy consumption
- On-site construction (tight spaces possible)
- Airtight doors and hatches
- Built from corrosion-resistant materials
- Maintenance-friendly and easy to clean



Operating principle

The outgoing shed air flows along the outside of plastic hoses, while at the same time fresh outside air flows into the plastic hoses, and warms up as it heads towards the shed. This is done using the countercurrent principle, which ensures high efficiency. Unlike the competition, the air is 'blown' through the exchanger by means of a blower or axial fan.



Heat management

Opting for a Beekamp BV heat exchanger will result in a better shed climate and more convenience. Since incoming fresh air does not get mixed with the outgoing shed air, the risk of diseases and harmful substances in your shed is minimal.

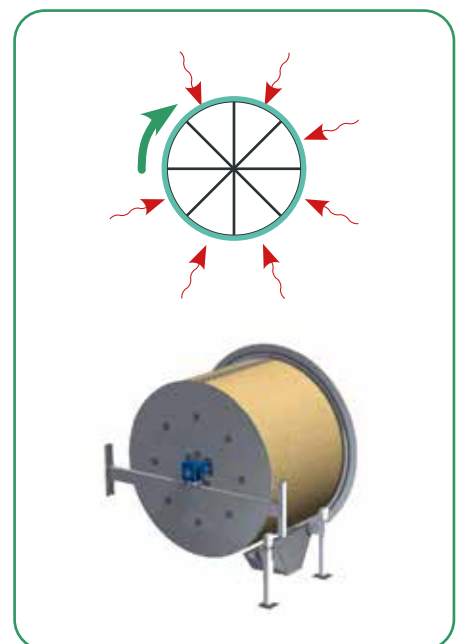
The combination of a heat exchanger with the blowing in, and distribution of, air in the right place in the shed allows for air to be well distributed among animals. This ensures constant temperature and, in turn, less significant fluctuations in temperature, with improved (egg) production the outcome.

-  Dryer air, manure and litter in your shed - recirculation heating available for broilers
-  More pleasant shed climate due to more constant temperature, clean air and lower RH
-  Lower ammonia, odour and fine dust emissions from your shed

Filter unit

Our rotary filter with filter cloth keeps your exchanger clean. The outgoing shed air is sucked into the exchanger package through the filter unit, leaving the dust in the cloth.

Then, by means of a suction nozzle with suction, the dust is sucked out of the filter cloth through a vacuum program in your computer, and stored. During this process, the drum is rotated by an electric drive.



Cleaning and maintenance

Because cleaning often involves extra work, and can cause inconvenience, extra attention has been paid to this when developing or upgrading Airhouse heat exchangers.

-  Prevention of fouling by application of filter unit, with flushing sufficient.
-  Built-in nozzles and optional flushing programme ensure easy cleaning and clean interior
-  Excellent water drainage due to closed, sloping base pan with option of water collection and circular flushing

COOLBOX

Carcass coolers

Our carcass coolers ensure responsible and hygienic cadaver storage. The coolers are made for 2 or 4 carcass bins of 240L each.

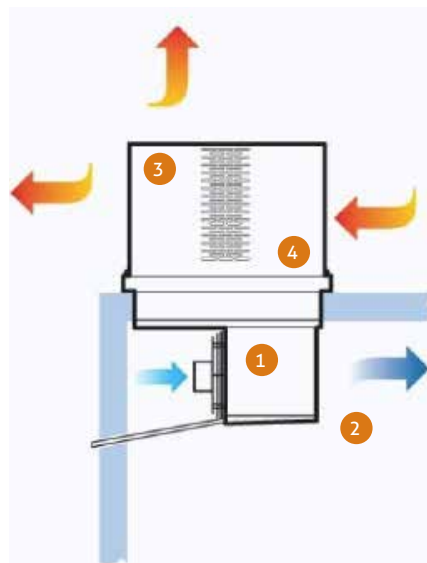
The casing is made of 60mm PIR insulated sandwich panels with agro coating. The frames and flashings are made of stainless steel 304.

- 2 or 4-tonne version
- 7-degree cooling
- High cooling capacity even at + 25°C
- Panels 60mm PIR insulation with agro coating
- Available in anthracite, white, black and green
- Airtight doors and hatches
- Built from corrosion-resistant materials
- Maintenance-friendly and easy to clean



Cooling operating principle

The cooling units used in our carcass coolers operate on the basis of a heat pump. R-134A refrigerant is pumped around through the unit, thus extracting heat from the casing.



1. Air is drawn through the evaporator, with heat being extracted.

2. The cooled air is blown into the room, bringing it up to the desired temperature

3. Heat is released to the environment through the condenser

4. A heat pump pumps the refrigerant around, thus providing the unit's cooling capacity

Carcass coolers

Refrigerated storage of waste products such as carcasses, food waste and offal helps improve your company's hygiene. Coolbox carcass coolers offer a solution for the responsible and long-term storage of carcasses.

The doors and hatches have rubber seals and locks that can be secured by means of an enclosed key. This prevents accidental opening of your carcass cooler. The sheet metal components are made of stainless steel 304, and are therefore corrosion-resistant. The hinges and locks are made of 304 stainless steel and therefore do not rust.

Carcass bins

Beekamp BV also supplies hygienic 240-litre cadaver bins with hard anti-leak straps and tight-fitting lids.



Cleaning and maintenance

Beekamp BV's carcass coolers are fully sealed on the inside, and have as few crevices and edges as possible, making cleaning easy.

-  The carcass cooler can be placed outside, but preferably under cover and sheltered from the effects of the
-  Sufficient ventilation around the cooler is required, as is cleaning with water - and not with aggressive agents
-  Socket (230V/50Hz) with protective earth is required
-  If desired, we can maintain your machine.
-  Cooling units are installed and maintained by certified personnel



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