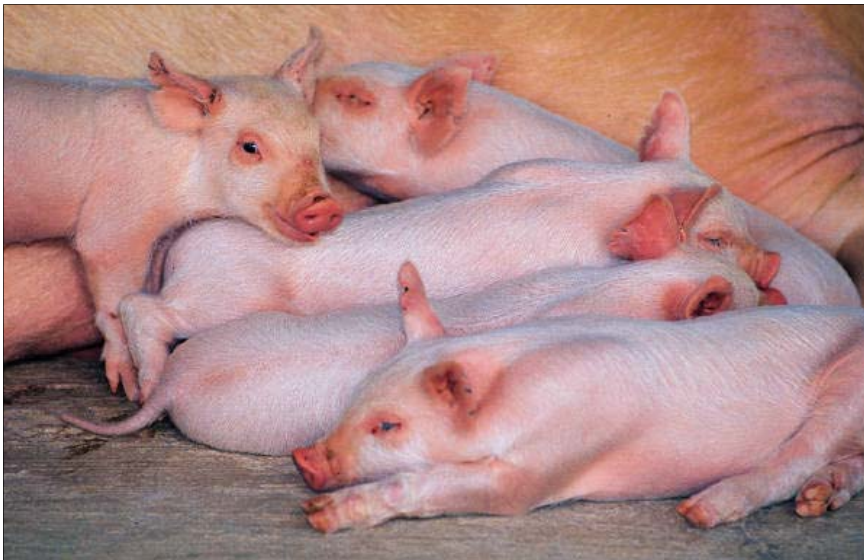




Pig Housing Equipment

FarmMark 2006



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Brisbane QLD 4073

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FarmMark

FarmMark is a 100% Australian-owned company, which was established more than fifteen years ago. We focus on delivering high quality products to the Australian and New Zealand pig farming industry. FarmMark has a constant outlook for future products which can benefit pig production both financially but most importantly; keep the Australian market at its current high standards and ensuring that we remain competitive on the world export market.

We are proud to offer all the latest in world-leading livestock production equipment ranging from climate controls, drinkers, feeders, feeding accessories, flooring and crates from European manufacturers MIK, Skov, Skiold and Roxell for pork producers.



FarmMark Pty Ltd, 24 Hasp St, Seventeen Mile Rocks
Brisbane, Queensland 4073.

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Stainless Steel Bite Drinker

- 1/2" connection
- 18/8 stainless steel adjustable water flow (3 settings)



Piglet Drinking Bowl

Aquamat Drinking Bowl

- Made of stainless steel
- Hygienic and water saving solution
- Always fresh water
- Ensures reduction of manure amount
- Can be used for weaners as well as finishers



Aquasow Drinking Bowl

- The sow bowl has easy access for the sow, with the stainless steel shaped to fit their heads
- No water spillage
- No waste collection in the bowl, due to its unique shape.



Weaner Feed Bowl

The ideal feeding bowl for weaners.

Durable stainless steel feeding bowls are locked easily into slatted floors.

Simple, low cost, flexible method for feeding piglets on slatted floors.

Push locking button down while turning the hook at bottom of feeder in order to lock/unlock the feeder.

Advantages:

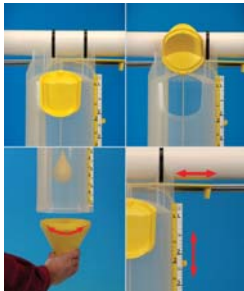
- Easy to install
- Easy to remove
- Easy to clean
- Durable
- Prevent dunging
- Flexible
- Low cost
- Feeding saving



Volume Dispensers

- Ensures sows get exactly the amount of feed they require
- Easy cleaning by detachable sides
- Made from quality material
- Simple and trouble free operation.
- Can be installed in both single and double rows
- Easy to read scale
- Can be adjusted while filled with feed



**Dos 7**

Dispensers for individual sow feeding

Quiet, Stress Free Sows

- Simultaneous feeding of all sows to avoid stress
- Feed transport and the opening of the dispensers happens almost noiseless
- Conical, round shaped dispensers for an excellent feed flow.

User-Friendly and Secure Operation

- Easy and accurate setting of the individual rations per 0, 1 litre for mash and pellets
- Handy front window for administration of medicines or additives and for cleaning
- Excellent and fast control of your sows and your feeding system.

Easy Cleaning for Optimal Hygiene

- Simple "click" system for disassembly when cleaning thoroughly
- Entirely made of polypropylene for years long, trouble free functioning.

Dozr

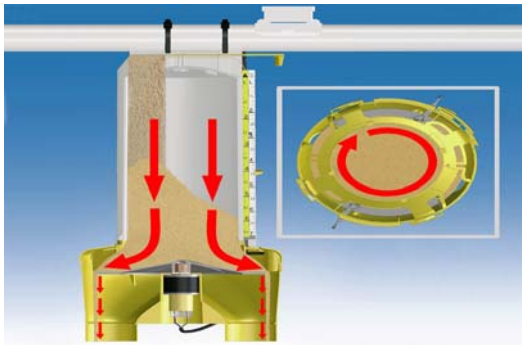
Dispensers for group sow feeding

Excellent Welfare Conditions

- The sow find the feed from the first day onwards without training
- Simultaneous feeding stimulates the social instinct
- Avoid stress in the group resulting in optimal development of the unborn piglets
- Unique dosing mechanism for an accurate feed distribution (100-120 grams per minute)
- Remote dosing volume control per group from central control panel.

Economical and Easy to Clean

- Low investment cost and applicable everywhere: only 1 dispenser per two sows
- Front window for easy cleaning and administration of medicines or feed additives
- Easy removable bottom part with "click" system for thorough cleaning
- Excellent and fast control of your sows and your feeding system.





Transition Feeder

Reduction of production costs be significantly increasing the post weaning feed intake of piglets.

Benefits you will begin to see within days:

- Outstanding feed intake immediately post weaning
- Improved growth performance
- Stress reduction
- Minimal post weaning nutritional deprivation
- Maintained good health

The transition feeder has the potential to cut time to slaughter considerably, individually depending on the type of feed used.

Features:

- Adjustable time of feed availability
- Adjustable meal-water ratio
- Instant mixing of feed
- Mixing is pig operated
- Probe to control volume of mixed feed in trough
- All Stainless Steel



JetMix

Jet Mix feeding technology introduces a new dimension to wet feeding, with higher feed intake for the growing pig.

- Proportional mixing of Feed and water.
- Feed flow and water flow can be simply adjusted.
- Suitable for Meal, Pellets and Crumbs.
- Freshness and Hygiene are always maintained.
- High Feed Intake levels are easily achieved.

Made from Stainless Steel and durable Polyethylene.

- Probe to control volume of feed in trough to prevent waste and improve hygiene.
- Feed and water are released simultaneously on demand to mix fresh feed at point of delivery
- Clear and structured control panel.



MaxMat

The original and economic solution for feeding of pigs

- Simple and solid construction made of galvanized materials
- User-friendly
- Can be connected to existing dry-feeding systems
- Optimal utilization of the feed
- Built-in water supply with no waste
- Minimum waste
- Suitable for water as well as whey
- The MaxiMat can be placed in existing equipment or detached in a pen
- The 70 litre hopper model can now be delivered as a waterproof construction

The MaxiMat is suitable for pellets as well as meal



HOX LINE

Fast and Uniform Growth

- Always fresh feed and water available on the same spot: 6 to 10 eating places and 4 to 6 nipples above the pan
- Animals choose their own ration and mixture (dry or mixed with water)
- Piglets find feed and water immediately from the first day onwards.

Important Feed and Water Savings

- Large pans collect feed and water
- Grills provide individual and quiet feeding places
- Precise and easy feed adjustment.

Many Applications

- HOXline-Oval: ideal for small groups of fattening pigs or piglets
- HOXline-Round: ideal for large groups of fattening pigs and piglets
- For installation in the centre of the pen or incorporated in the fence
- Supply hoppers 70 or 150 kg
- Mealtime or ad libitum feeding.

Benefits of Mealtime Feeding

- Low feed conversion
- Optimal feed digestion (Pavlov-effect)
- More finished animals.

Durable, Maintenance Friendly

- Pans made of wear resistant POLYDUR
- All other parts are stainless steel
- Easy and thorough cleaning with high pressure cleaner.

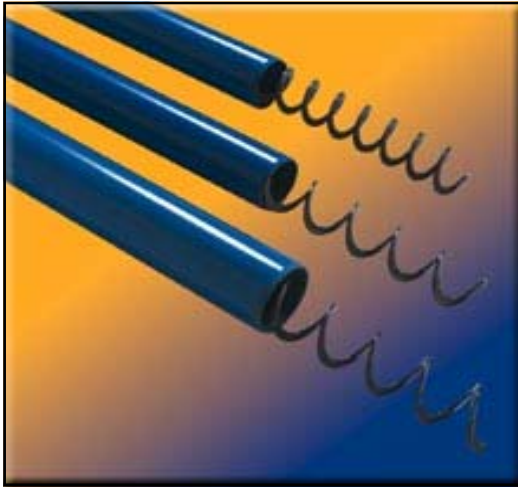


FM 50

- Solid Construction and Unique Design**
 All parts of the FM 50 are made of durable material, aid in ease of cleaning and reduce risk of disease due to stagnant feed, reduce farm's space congestion.
- Make the Feed Easier to Eat**
 FM 50 provides pigs with adequate space to show normal feeding behaviours along with easy access to feed, allow pigs feed faster and to spend less time at the feeder.
- Pigs Grow Better**
 Average daily gain is greater; enable pigs to be marketed earlier.
- Pigs Use Water Smarter**
 Water usage is reduced up to 50% compared to dry feeder models. Nipples are accessible in every feeding area, thus the tendency to play with public-like nipples is eliminated. The results are reduced water costs, reduced medication expenses and less lagoon fill resulting in less manure application costs.

Few hints on using wet feeder:

- It is recommended that the pigs should be divided equally on both sides of the wet feeder.
- If the pen is occupied by too many pigs, there is a risk that the weak pigs will get little or no access to the feed.
- To ensure the correct use, the water must always be supplied to the wet feeder.
- Too long or too small tubes may effect the water pressure and thus, increase the risk of leaking water from the drinking nipples, or the pigs not getting sufficient water.



Flex Auger

Distributing feed clearly, efficiently and in a controlled manner is the specific function of FarmMark's Flex Auger systems. By using PVC Tubing as the carrier, not only does it provide a large flexibility in the design but also reduces the dust, noise and protects against insect and rodent infestation, ultimately reducing stress and increasing the welfare of the animals.



Drive Unit & Sensor & Proximity Switch

Drive motors and gear boxes available in either one or half horse power.

The sensor (hopper level cut off switch) is normally placed in the last hopper to shut the system down when the last hopper is full.

A proximity switch is also available to turn the system on and off at various times during a 24 hour period depending on the feeding requirements of the pigs,



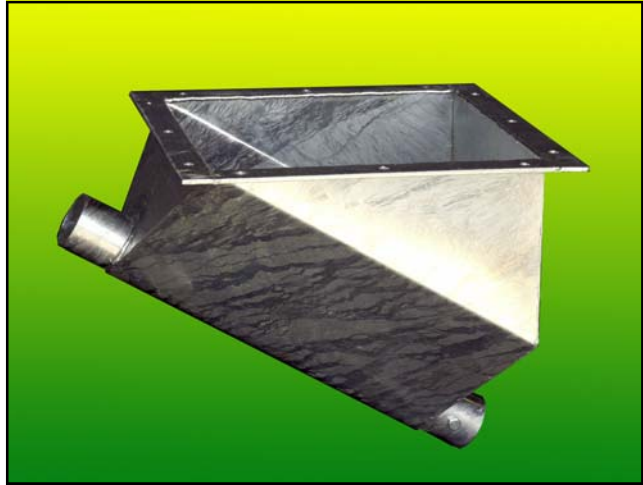
DOL 43R Sensor

Designed for general detection of feed, grain and solids.

The DOL 43R has an option for a late delay operation period. When the sensor is no longer activated with the material the time delay starts. After the delay has timed out, the sensor will automatically reset to normal mode.

Under Silo Hopper

Available in single, double, 30 Degree or straight. It is made from heavy duty hot dipped galvanised steel.

**FeedOutlet & Clear Feedtube**

Using clear downpipes as drop tubes allows you constant visibility of your feed and its progress.



**Drive Unit**

The unit's wheel has an extra wide diameter to reduce wear on the cable as well as a safety coupling to prevent cable breakages, should the system become overloaded.

It also comes complete with an indicator which tells the operator when a cable needs tightening, and a grip switch that will stop the system if it gets to loose.

**Under Silo Hopper**

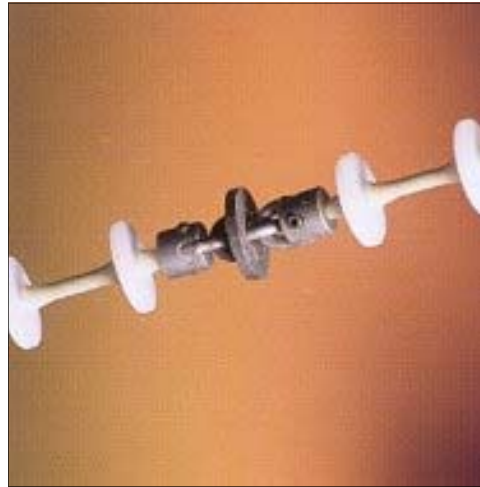
The hopper is designed for straight through passage of the cable, or it can go through 180 dg. and exit in the same direction as it entered. This increases system design flexibility and reduces the number of corner units needed. It can be delivered painted or in stainless steel, the latter being ideal when the hopper is to be located outdoors. Where the hopper also operates as the feed supply, as in phase feeding and when the system is emptied after each batch, it is delivered with its own electric motor.

Cable

With the TransPork cable system, problems with frayed cable and metal splinters in the feed are troubles of the past.

The secret behind this increased durability is the patent pending treatment of the cable with a special oil and strong rubber alloy coating.

The coating ensures the oil does not dry out, so the cable is kept strong and supple and is not worn out by the corners and drive unit within the system.

**Control Panel**

Behind each TransPork® system is a simple easy-to-understand control panel that ensures efficient operation and, should any problem arise, speedy fault detection. The result is less service and repairs. A wide range of fittings and accessories makes TransPork® adaptable to fit all types of pig production systems.





Heating Lamp

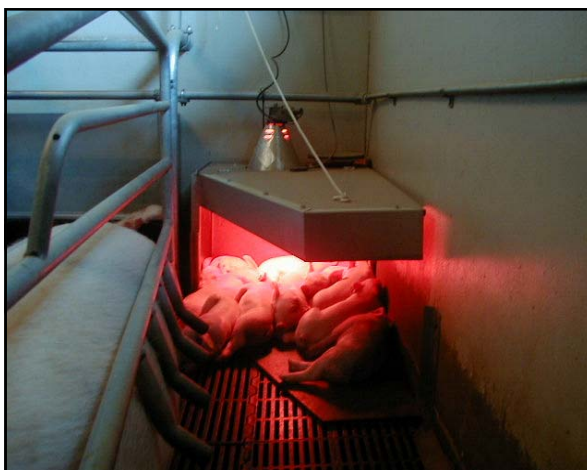
The intelligent heating lamp controls the heat from the surface temperature of the piglets.

- Lower mortality
- Increased weaning weight
- Reduced energy consumption
- Less labour, more time for the animals
- Unique individual pen control
- No compromising between pens
- Proven technology for livestock houses
- Survey with direct connection to a PC
- Payback time 1-2 years



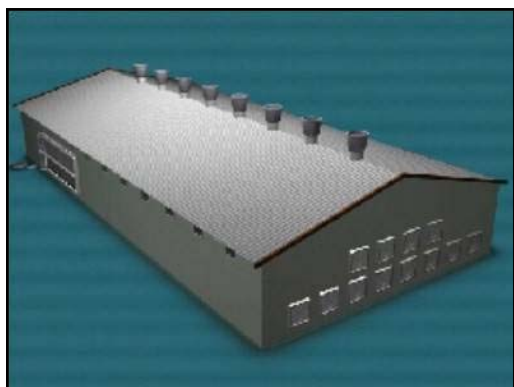
The principle of radiant heat creates minimal draught—with radiant heat the piglets get less draught and are comfortable at a lower room/air temperature. And therefore the sow can be kept cooler to stimulate appetite.

Less labour = more time for the animals—the controller is reset at farrowing. The built-in clock and the



Tunnel Ventilation

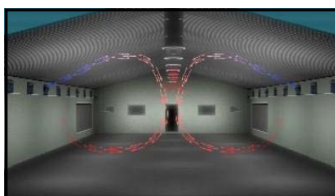
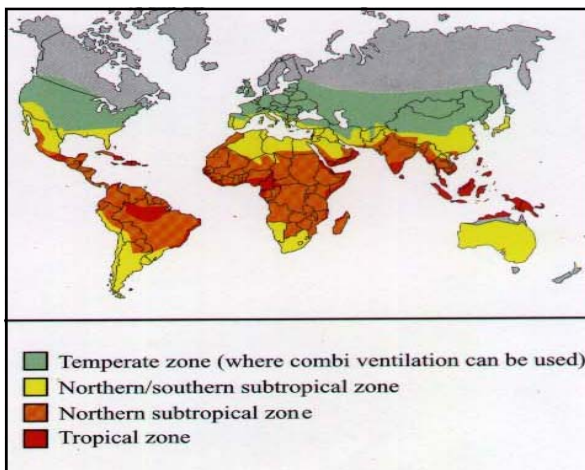
The SKOV Comb-i Tunnel System was developed for areas where great temperature fluctuations occur. Apart from saving energy the system is designed to increase productivity and producer earnings. Animal well being and a good environment in the houses are the keys. Healthy animals living in the right climate have a high rate of growth.



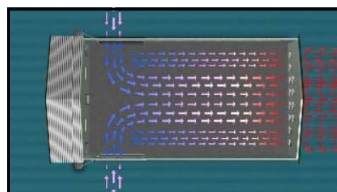
The system integrates various ventilation principles in one intelligent system. The climate computer ensures that the animals have optimum conditions by making the ventilation dependent on the outdoor temperature and the age of the animal.

Cool Pad

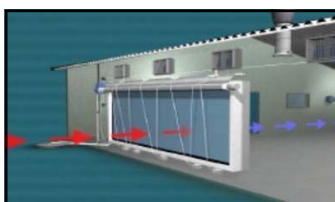
Air intake passes through cooling pads at the end of the house. The cooling system is designed for long-lasting, reliable operation. A large amount of water is circulated through the pad and the bleed-off system to avoid the precipitation of salt crystals and algae. SKOV use long-life, recognized pad brands with a high degree of cooling efficiency.



Side Mode
If the out door temperature is low, the system functions as a standard LPV system (negative pressure).



Tunnel Mode
At high outdoor temperatures the system operates according to tunnel principles. Air inlet passes through cool pads and air outlet passes through large gable fans at the opposite end of the house.





Gable Fans

Gable fans are ideal at high outside temperature when large quantities of air are ventilated.

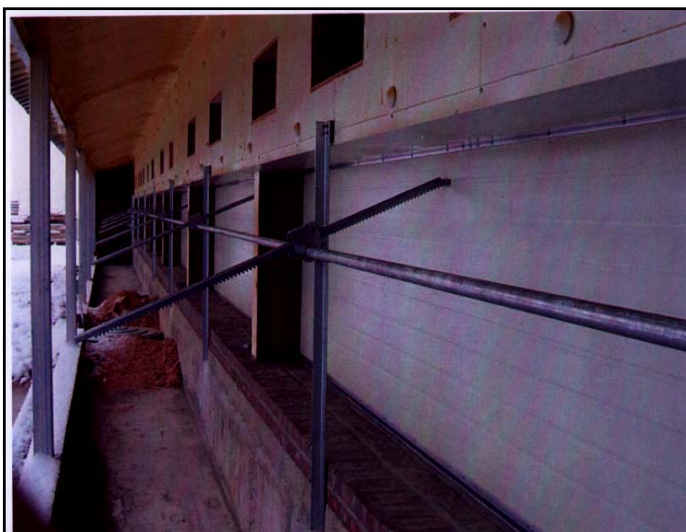
Wall and gable fan characteristics

- The fan housing is made of galvanised steel plate
- Continuous clean fan blades
- Stands high-pressure cleaning
- Louvre neutralises unintended opening in windy weather
- Louvre shuts tight when the fan is not in operation and thus prevents false air intake
- The insulated cover prevents dust and moisture from entering when the fan is not in operation, eg. in winter.



Curtain Closing

Can be used in conjunction with tunnel ventilation and can be part of the SKOV Combi-Tunnel System. Simple and efficient means of ventilation during hot periods. Allows for stale air to be replaced with outside fresh air, as well as maintaining the ideal climate inside the shed.



SKOV Rack and Pinion Closing

The Rack and Pinion closing system is a complete solution for making a proper, insulated and sealed door inside the cooling section or directly in the side wall, if there is no cooling. It forms part of the SKOV Combi-Tunnel System.



Chimney

The outlet is controlled by the aerodynamic DA 600 outlet unit and the new extraction principle MultiStep®.

The outlet is made of impact-resistant, form-stable and environment-friendly polypropylene which can resist wind and weather as well as heavy high pressure cleaning.. The special outlet design increases fan performance.

The new extraction principle MultiStep® is a completely new way of combining continuous control and group control of the outlet units in the house.

Compared to a conventional air outlet, MultiStep® results in annual power saving of 50–60 per cent.

A new climate computer is the brain of the ventilation principle. The computer controls one fan continuously from 0 – 100 per cent, while the rest of the fans in the house are activated as required. Each time an extra fan is activated, the continuously controlled one starts from zero per cent again. In addition, MultiStep® ensures a more pressure stable and less wind sensitive ventilation system.



Wall Inlet

The DA 1200 wall inlet can be built into a wall or mounted on a narrow wall. The design of the wall inlet allows airflow and directions to be adjusted to the requirements of the individual house. Baffle plates give the air jet the optimum direction towards the ceiling. Special built-in damper plates prevent external wind effects in narrow houses.

Winches

DA 75A are a series of very sturdy winch motors specially designed for inlet and shutter control in ventilation systems. They are of compact design, with all functions collected in one cabinet.

**High Pressure Cooling**

Installation of high-pressure cooling can delay and equalize the transition from side mode to tunnel mode. With a high-pressure cooling system, you get more than just cooling.

DA 2000 High-Pressure Cooling

With high-pressure cooling, the air is provided with finely atomized water vapor. It cools the air in the house during the evaporation process. With correct high-pressure cooling, it is possible to reduce the temperature in the house by 2-10°C.

The nozzle is fixed in the patented nozzle clip FlexClamp and so it can easily be mounted on and removed from the piping.

A high-pressure system can also be used for both humidification and dust binding.

Between the batches, the high-pressure system can be used for soaking and disinfections of the livestock house.



Pressure Pump

The pump forms the basis of an effective cooling system. The pump unit is available in 3 types (from 5 to 22 litres per minute) complete connection of power and water. Efficient filters ensure a reliable system with long life. SKOV uses filters which filters the water to minimum 95–98% of the particles (1 micron)

The filters can also be equipped with an extra phosphate filter cartridge for optimum reduction of calcium and minerals in the water.

**Emergency Opening**

In modern production facilities where the stocking density is high, an alarm call is insufficient when it concerns ventilation malfunction — simply because ventilation malfunction requires immediate action.

DOL 278CT temperature-controlled emergency opening

Together with the SKOV climate computer, the DOL 278CT forms an independent emergency opening system, which opens the ventilation system depending on the excess temperature in case of failing technique, power failure or operation error. The limit for emergency opening is set with the adjustment knob.

Climate and Production Computer

DOL 339 and DOL 234

Designated advanced technology is not difficult. The trick is to make technology easy to use. With the DOL 339 and DOL 234 climate and production computer, SKOV have the perfect combination - creating a world of possibilities for optimising the climate and increasing productivity in your livestock houses.

DOL 339 and DOL 234 integrates various ventilation principles in one intelligent ventilation system. The DOL 339 and DOL 234 ensures that the animals have optimal conditions by making the ventilation dependent on the outside temperature and the age of the animals.

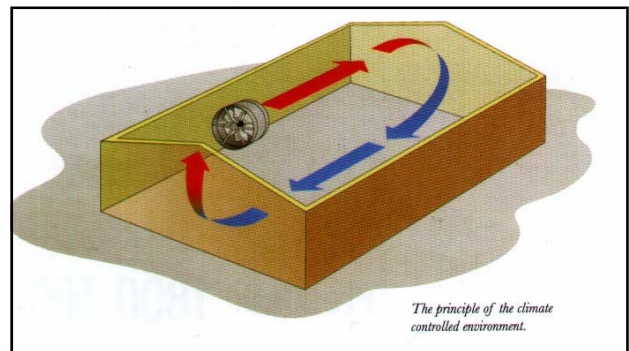
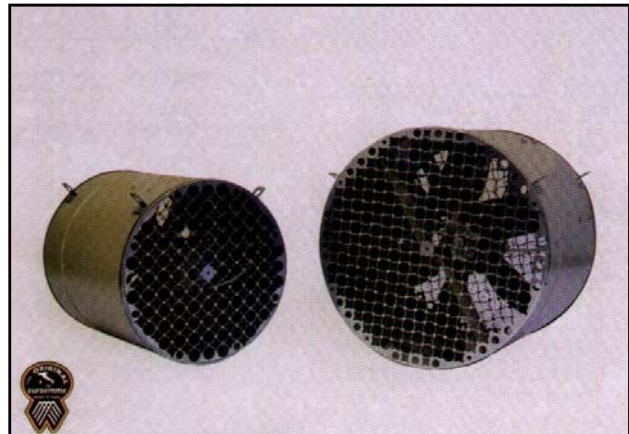


Air Blowers

Air blowers are used for breaking up stratified heat, humidity and stagnant air.

The propeller has six blades and has been balanced for minimum noise and vibration.

Fans are easy to install.



**Disk Mill**

The disk mill is the result of two years of product development and testing. The object was to develop an all around mill for the grinding of crops and grains; and with low power consumption, quiet running and minimum dust levels.

The patented disk mill has several features that makes it stand apart from other types of mills

- Optimal feed structure for maximum feed conversion
- Exceptional durability on the wearing parts, with one set of disks grinding up to 5000 tons in the smaller mill and up to 10000 tons in the larger mill.

**Horizontal Hammer Mill 3s**

- Hammermill with capacities up to 1800 kg/h
- Suction capacity up to 50 metres
- Low current consumption
- Flexible application
- Few wearing parts
- Self-emptying filter
- Minimum dust

Hammer Mills

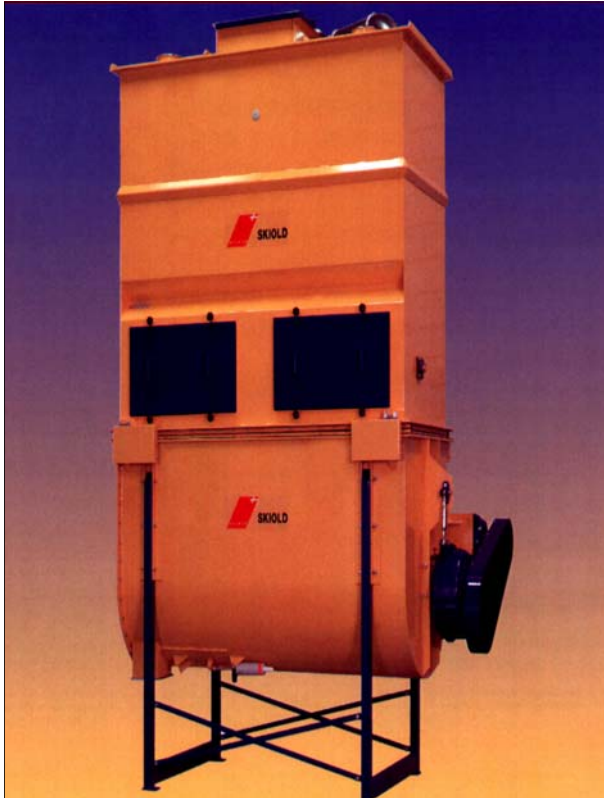
Grinding of all types of cereals.
Suction –blowing mills with capacity up to 2.5 tons per hour.

**Uni Mixer**

The Skiold UniMix is very suitable for precise mixing of almost any meal or granulated raw material. Furthermore it is possible during mixing to add liquid components such as fat, molasses and oil and also features the following:

- Available in two models: 500 kg and 1000 kg
- High mixing accuracy— also in moist materials
- Efficient—even with fat and molasses addition
- Sturdy construction with gearmotor drive
- Also capable of mixing small quantities
- Easily accessible concentrate hopper
- Suitable for placing on load cells
- Low noise and vibration free operation





Horizontal Mixer

The Skiold H-1000 mixer is a batch mixer suitable for mixing almost any kind of meal or granulated raw material with very high accuracy and features the following:

- Optimum emptying
- High mixing accuracy 1:100000
- Suitable for computerized feed mills
- Standard model 2225 litres/1000 kg
- Solid construction with shaft gear and V-belt drive
- Modular mixing arrangement with pre- and discharge bin
- High efficiency—also with addition of fat, oil, molasses and corncob maize (CCM)



Flexmix

FlexMix is Skiold's answer to the demands of modern farm feed production to control of production.

It has been of great importance to construct a flexible and handy computer in order to make the daily operation easier. Extensions and new demands can easily be met, and a good survey of the production as well as easy access to necessary data for economical control.

The FlexMix has the following features:

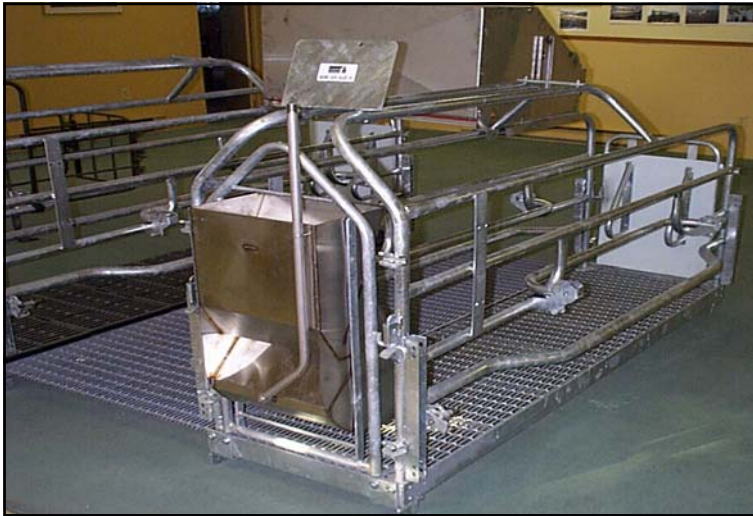
- Handy design with indirect lighting
- Flexible handling of section feeding
- Capable of using 3 weighing systems
- Optimal utilization of all facilities of the mill/mix plant
- Improved management and survey of production data

**Tube Auger**

- Very suitable for most crops
- Available on low number of revolutions for gentle conveying
- Galvanized design ensures long durability
- Comprehensive range of accessories
- 2 models Ø 102 and Ø 152 mm

**Trough Auger**

- Used for horizontal conveying with capacities up to 70 tons per hour
- Adjustable intermediate bearing at every 2 metres
- Galvanized design ensures a long durability
- Tight-fitting cover as standard
- Lengths up to 40 metres
- Flexible modular system



Farrowing Crate

Hot dipped galvanized
2100 or 2400mm long
355mm wide.
Stainless steel tip out or bolt in bucket.
25mm x 100 mm long solid rod legs with 12mm thick foot.
Adjustable roll bars.
Name plate included.
Waterline bracket welded on.
Adjustable back up bar.



Farrowing Pen Partitions (solid)

Manufactured from new polypropylene copolymer. (PP)
All sides are sealed. The bottom requires a PP click in profile for it to be sealed.
The panels have an internal structure with vertical ribs every 100 mm.

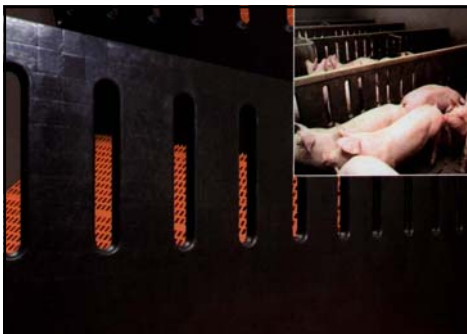
Optimum hygiene and easy to clean.
Chemical resistant.

Light weight 8kg/1m²

Standard sizes:

2600x 500x 35 mm

2500x 500 x 35mm



Stall Partitions : Panelplus

Manufactured from new or recycled high density polyethylene or from polypropylene copolymer.
Manufactured using latest injection moulding, compression moulding and mirror welding techniques.

They offer perfect resistance to practically all chemicals, mould, bacteria and corrosion.

Sandwich panel 51 mm thick.

Ribs are every 50mm for extra strength.

Light weight 13 kg/m².

Standard sizes:

260x100cm, 120x 100cm and 120x80cm

Standard height:

80, 100, 120cm and on request up to 6m per panel.

**STORAGE LINE****Excellent Feed Flow**

- Metal sheet surface in MB-quality with low friction
- Hopper plates without obstructions.

Keeps Feed Fresh and Nutritious

- Heavy galvanisation and undulated sheets reduce temperature fluctuations inside the bin.

Durable and Maintenance Friendly

- Galvanisation 25% above standard
- Solid construction conform to German DIN-norm DIN 18914
- Encapsulated bolts on the outside to prevent corrosion
- 5 year-warranty against perforation by corrosion.

Wide Range of Capacities

- Four different diameters with volumes from 3.9m³ to 49.8m³.



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