











Your complete supplier

- SKIOLD solutions for the world's greatest farmers
- From idea to finished project















Feed Milling Plants & Complete Ventilation Programme

SKIOLD Feed Milling plant

SKIOLD brings long experience to all solutions. The plant is designed and constructed specifically to meet your detailed demands. The SKIOLD modular concept and simplicity of the construction makes the implementation of your feed plant easy and fast. SKIOLD can provice basic feed mill plants or fully automated plants, which are computer controlled with full monitoring and tracking of production, and management information. The design of a SKIOLD feed mill is prepared for an easy and smooth extension in case your requirements changes over time.

The best possible production equipment provides for the very best feed quality. A SKIOLD feed mill always provides for the future!

SKIOLD climate control

SKIOLD has 30 years of experience with ventilation of pig sheds. SKIOLD tailors upto-date solutions based on thoroughly tested components, which each complies with the great demands made by modern pig breeders all over the world.

Negative pressure, Equal pressure, Natural ventilation, heating and all control and communications, sprinkling, soaking as well as alarm unit and emergency ventilation

A wide range of components for air intake, control and exhaustion enable SKIOLD to design an energy-efficient ventilation plant, which complies with practically all demands.

















SKIOLD Feeding Complete Programme within Dry, Liquid & ESF Feeding



SKIOLD Dry Feeding

SKIOLD holds a wide range within dry feeding equipment, as well as the largest know how within feeding systems. Therefore, we are able to comply with each request or requirement. The feeding systems are primarily used in pig housings but can also be used for transport of meal in connection with milling systems. SKIOLD has always focused on reliability and easy management of the products. A request from all pig producers for an efficient and optimum production has been one of our fundamental goal in connection with new development of machinery and systems. In short time today's demand for supervision and data communication, instantaneous information concerning operation economy as well as historical information concerning pig/pen/section will be taken for granted. It is SKIOLD intention to be in front with a product development, that reaches more than 10 years ahead

SKIOLD Liquid Feeding

SKIOLD liquid feeding system is constructed to meet the professional pig producers demands with regard to operational reliability, user friendliness and flexibility. The system is based upon an industrial computer, which with a Windows user interface shows the entire housing system on the screen. A special software shows housing incidents on the screen as they occur in the housing. This means that newly employees with no knowledge of liquid feeding immediately feel comfortable with operating the system. The flexibility makes the system suitable for smal as well as large housings.



















Your complete supplier

With more than 140 years' experience as a global supplier of fullline, automated pig farms and machinery for fully automatic feed production, grain storage, the handling of plants and processing of seeds, SKIOLD is one of the most preferred partners in its field.

You will find SKIOLD feed production plants, grain storage and handling plants, full-line pig farms, and seed processing plants all over the world. This has given us wide experience in working under all types of local conditions and dealing with the challenges implied by this.

SKIOLD supplies customized pig farm projects, be it the refurbishment of existing farms or the design and production of new, turn-key pig farms fully equipped with feeding systems, climate systems, penning equipment, and slurry systems.

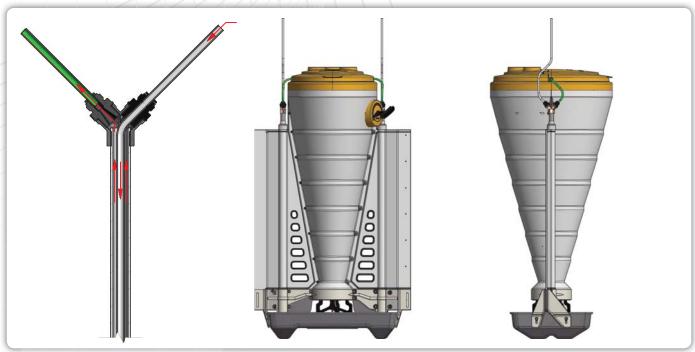
To us, local presence is of outmost importance. Therefore, SKIOLD has established local offices and a dealer network globally. Closeness to our partners enables us to offer the best after-sales service and quick delivery of spare parts.

An investment in SKIOLD equipment is a future-proof investment.



Optimal and cost-efficient solutions based on life-long knowhow and modern technology.





MINIMUM FLUSHING TIME / MIN.						
Hose Length Litres/min	60 metres	80 metres	100 metres	120 metres	140 metres	160 metres
5	7	10	12	15	17	20
6	6	8	10	12	14	17
7	5	7	9	11	12	14
8	5	6	8	9	11	12
9	4	6	7	8	10	11
10	4	5	6	7	9	10
11	3	5	6	7	8	9

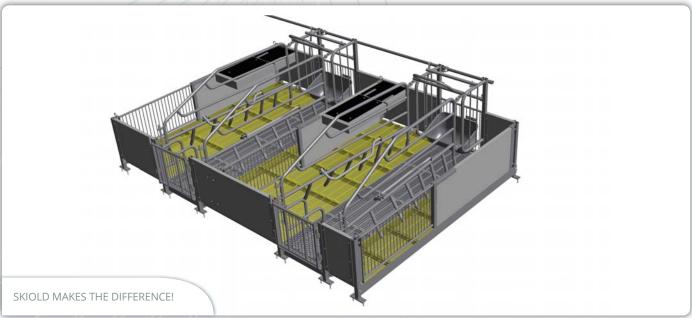
Item number	Description	Comments	
140171000660	Flushing system Porker/Weaner	Contains fittings for one water tube	
140631501806	Hose 8/6 black	Available in 50 metre bundles	
140673541507	T-branch		
140673541519	Stop valve		
140171000620	Wean to Finish, std. with flushing system	Assembled	
140171000621	Wean to Finish, std. with flushing system	Unassembled	

The flushing system is shown as an example only and is not a part of SKIOLD's delivery. The minimum flushing time can be determined using the hose length from water inlet to drain and water amount at the drain measured in litres/minute. The total minimum flushing time can them be established using the table above. Please note: 1 set per water tube.



Metres





- The Skiold farrowing crate is designed to give the sow and the piglets enough space during the whole lactating period.
- The special designed shape of the wings ensures good support all along the back of the sow and give easy access to the udder for the piglets.
- The penning is made as a combination of durable 35mm plastic profiles and 10mm vertical steel bars, to ensure optimum climate conditions for both sow and piglets. The special brackets at the rear of the sow make sure there is space enough behind the sow during farrowing and ensures free passage for the piglets during the whole lactating period.
- The creep nest is protecting the piglets and is creating a perfect microclimate.



- Removable penning partitions to give possibility for taking up the slatted flooring for cleaning.
- Length of the pen 250 cm.
- Width of the pen 180 cm.
- Height of the pen 50 cm.
- Length of the crate excl. trough 210 cm.
- Long, special designed fingers.
- Anti crush bar.
- Minimum distance between the penning partitions incl. crush. bars 37 cm.
- Maximum distance between the wings incl. crush bar 56 cm.
- Water supply in stainless steel.
- Water valve as water supply for sow.
- Water valve as water supply for piglets.
- Stainless steel trough shaped by deep drawing with 21 l. volume.
- 0,5 m² creep nest.

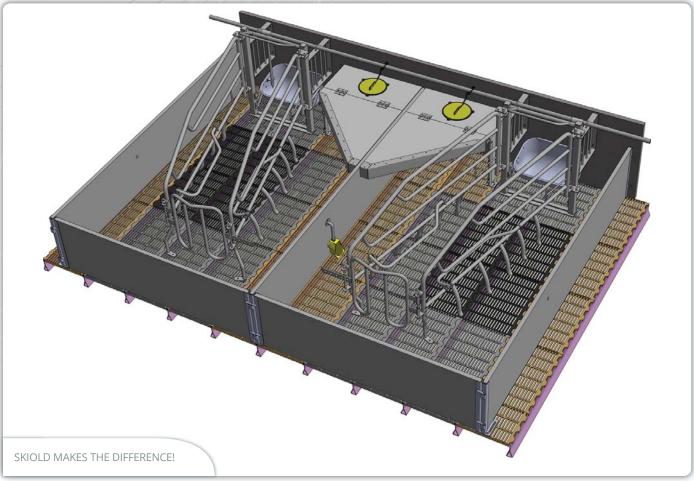
Material thickness of galvanized steel parts:

Posts 40x40x3mm
U-profiles 40x40x3mm
Square tube = 40x40x3 mm
Pipes = 33,4x3 mm
Support beams 60x5 mm
Frame for cast iron slats = 90x8 mm

Additional options:

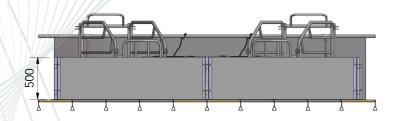
Water cup for the piglets Heat lamp for creep nest Rubber mat for creep nest

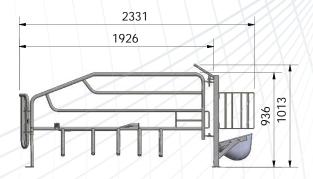


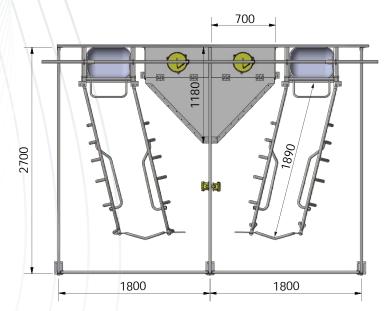


- The Newline farrowing crate is designed to give the sow and the piglets enough space during the whole lactating period.
- The wings with the bended fingers are supporting on the whole back and give the piglets a good access to the sow.
- The penning is made from light plastic board profiles, together with the special brackets at the rear access that providing and easy access during the birth period.
- The creep nest is protecting the piglets and is creating a good microclimate.









- Length of the pen 270 cm.
- Width of the pen 180 cm.
- Height of the pen 50 cm.
- Length of the crate excl. trough 200 cm.
- Long, special designed fingers.
- Crush bar.
- Minimum distance between the crate sides incl. crush. bars 33 cm.
- Maximum distance between the crate sides incl. crush. bars 51 cm.
- Water supply in stainless steel.
- Water valve as water supply for sow.
- Water cup as water supply for piglets.
- Stainless trough shaped by deep drawing with 21 l. volume.
- 0,6 m² creep nest.

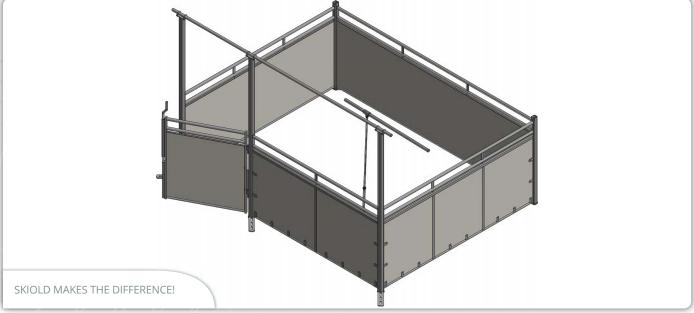
Material thickness of galvanized steel parts:

Posts 50x50x3mm U-profiles 35x30x35x 3mm Pipes = 33,4x2,5 mm

Additional options:

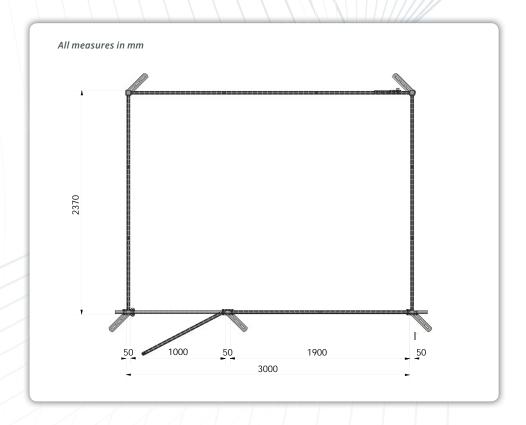
Heat lamp for creep nest Rubber mat for creep nest Alternative rear gate for larger sows (+ 80mm)





- Newline boar/relief pen is made from galvanized steel and extra strong laminate boards.
- The laminate boards are easy to clean, which contributes to a more hygienic surface.
- With the heavy duty corner posts and high construction above the door, is the foundation of a very solid and stable enclosure for even the biggest boars.
- With an area of 6.81 square meters, would it be possible to perform natural mating into the pen.
- The boar/relief pen is supplied complete with water supply in PVC for mounting in the ceiling.





- Length of the pen 237 cm.
- Width of the pen 300 cm.
- Width of the door 100 cm.
- Height of the pen 110 cm.
- Water supply in PVC.
- Water valve as water supply every second sow.

Material thickness of galvanized steel parts:

Posts 50x50x4 mm.

Front Pipes Ø26x2,5 mm.

Stall side Ø14mm vertical steel rods.

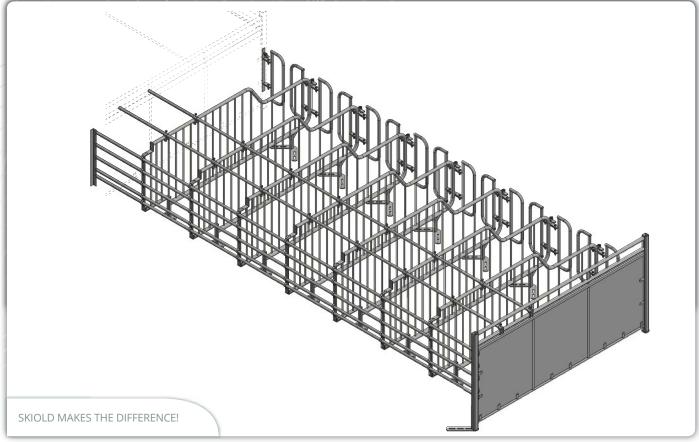
Stall side Ø33x2,5 mm.

12 mm extra strong laminate boards.

Additional options:

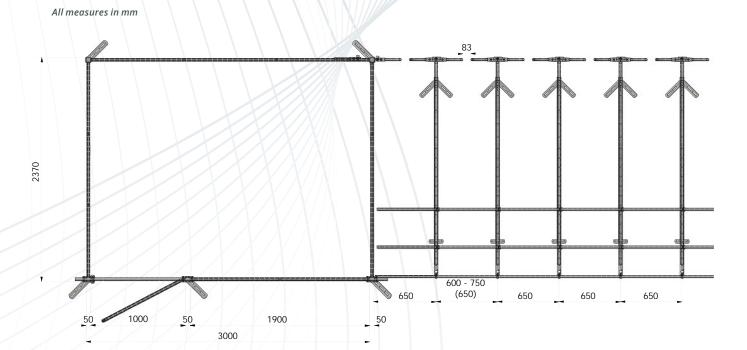
Water supply in stainless steel.





- Newline Mating Stall is designed with reduced height at the rear end, and low saloon doors. This provides better access to the sow as well as better conditions when working with stimulation and insemination.
- The mating stall is made from galvanized steel and supplied complete with water supply in PVC for mounting in the ceiling and water valve for every second sow.
- The end partitions are made from galvanized steel and extra strong laminate boards.





- Length of the pen 232 cm.
- Width of the pen 65 cm.
- Height of the pen 100 cm.
- Water supply in PVC.
- Water valve as water supply.

Material thickness of galvanized steel parts:

Posts 50x50x4 mm.

Front Pipes Ø26x2,5 mm.

Stall side Ø14mm vertical steel rods.

Stall side Ø33x2,5 mm.

12 mm extra strong laminate boards.

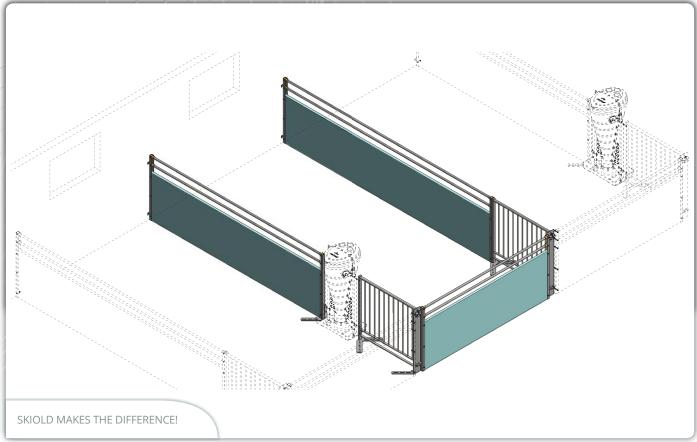
Stainless vertical water pipe $\frac{1}{2}$ " from the PVC water supply and into the water valve.

Additional options:

Water supply in stainless steel.

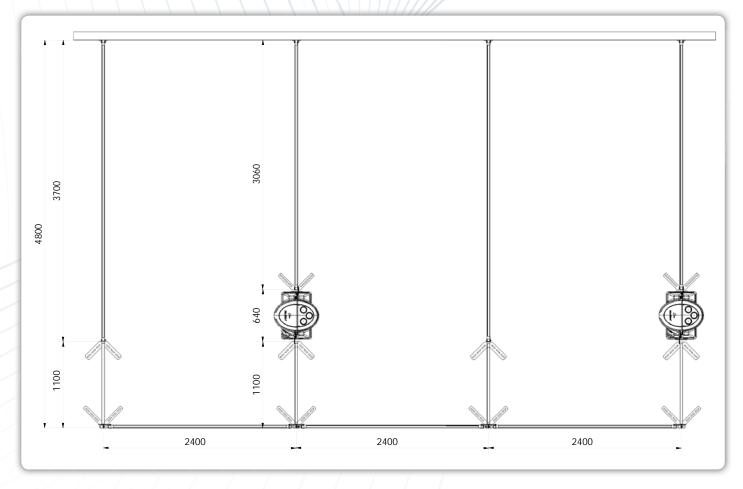
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- The Newline finisher pen is designed without sharp edges which ensure good safety for the finishers, which resulting in less injuries.
- The penning is made from 75 cm height light PVC board and the special brackets for 2 pipes in the top will ensure extra stability to the pan.
- The low height of the PVC board and the 2 pipes at the top ensure good ventilation.
- The choice of materials ensure high hygiene in the pen.





All measures in mm.

Facts:

- Length of the pen 480 cm.
- Width of the pen 240 cm.
- Height of the pen 100 cm.

Material thickness of galvanized steel parts:

Posts 40x20 mm.

U-profiles 35x40x35x3 mm.

Pipes = Ø26x2 mm.

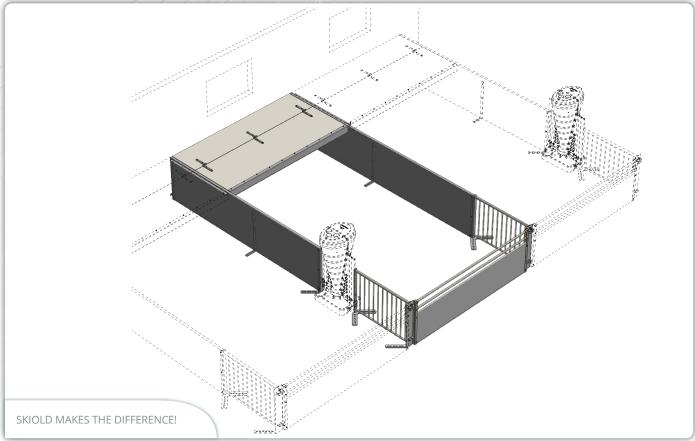
Vertical steel bars = 12 mm.

PVC boards 740x35 mm.

Additional options:

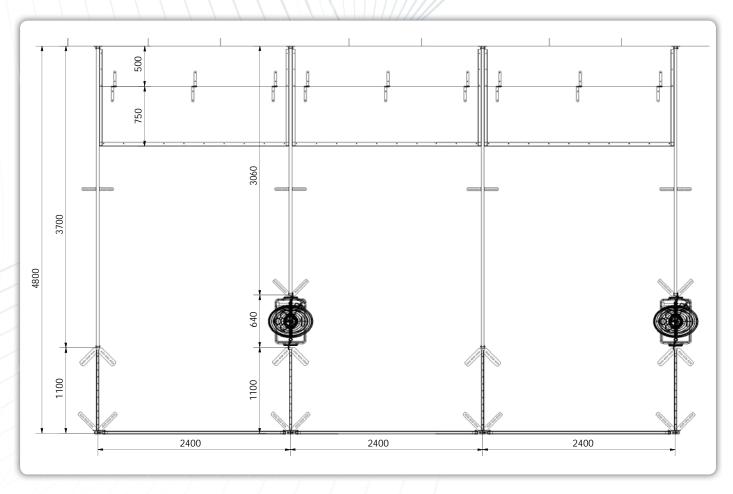
Water supply in stainless steel or in PVC. Water valve or water cup as water supply. MaxiMat feeder.





- The Newline Weaner pen is designed without sharp edges which ensure good safety for the weaned pigs, which resulting in less injuries.
- The penning is made from 75 cm height light plastic board.
- The front is made from 50 cm height light plastic board and with 2 pipes in the top.
- The low height of the plastic board and the 2 pipes at the top ensure good ventilation.
- The choice of materials ensure high hygiene in the pen.





All measures in mm.

Facts:

- Length of the pen 480 cm
- Width of the pen 240 cm
- Height of the pen 100 cm
- Climate cover (500+750 cm)1250 x 2400 cm

Material thickness of galvanized steel parts:

Posts 40x20mm U-profiles 35x40x35x 3mm Pipes = 26x2 mm Vertical steel bars = 12mm

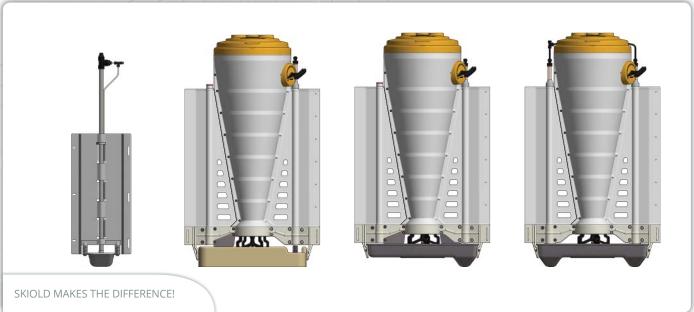
Material thickness of PVC parts:

PVC boards 500x35 mm / 740x35 mm. PVC boards 530x15 mm / 780x15mm.

Additional options:

Water supply in stainless steel or in PVC. Water valve or water cup as water supply. MaxiMat feeder.





Hopper volume: 40 litres (approx. 60% full)

Adjusting feed amount: 25 increments + 0 (totally shut) + CLEAN (fully open)

Necessary water pressure: 2,5 - 3 bar

Water supply connection: Ø8mm plastic hose

Hopper flange thickness: 6mm ± 1mm

Max. floor gradient: 3% - Polyester concrete trough is adjustable in the

fitting brackets on the trough.

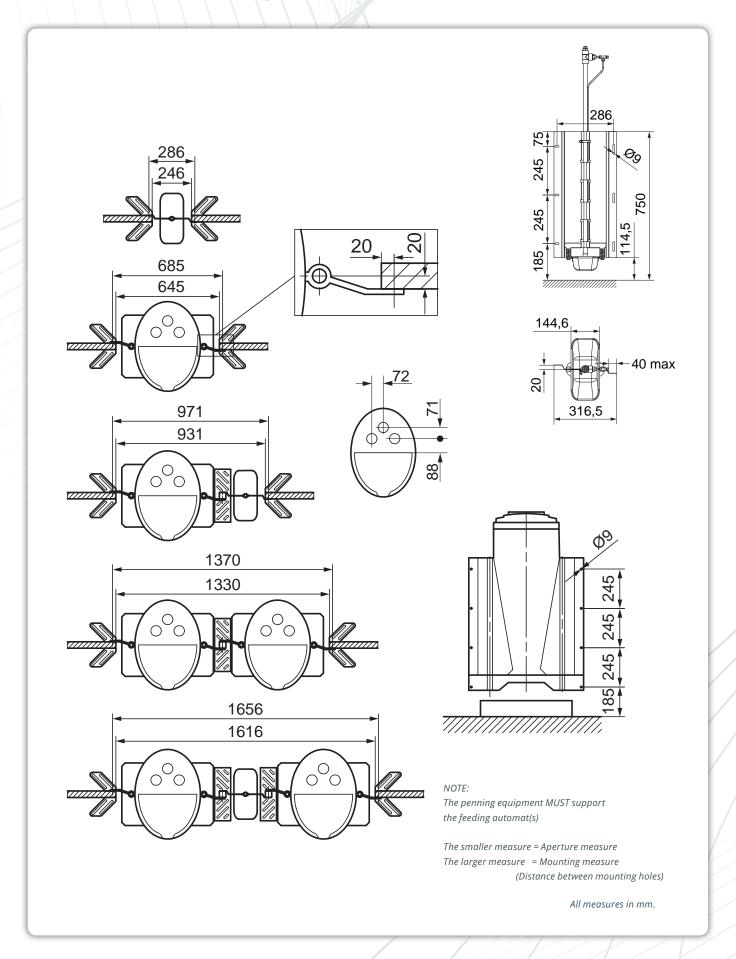
Maximat Weaner right: Watertrough same side as feed adjustment handle

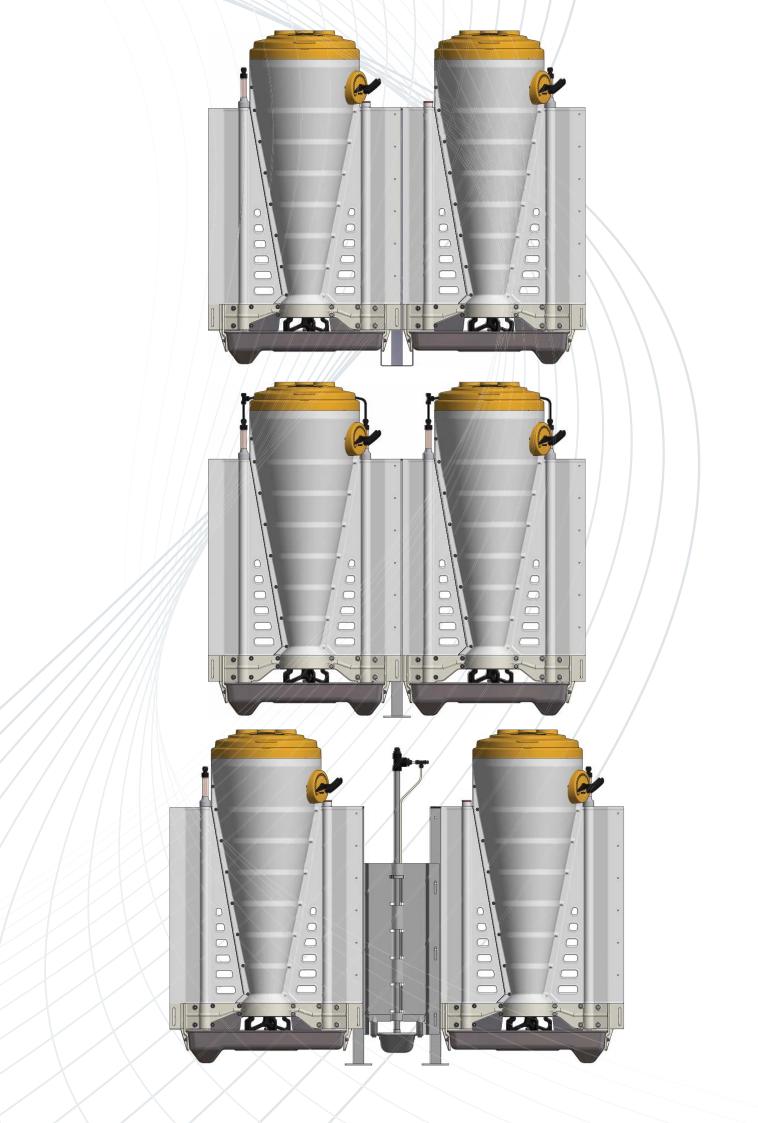
Maximat Weaner left: Watertrough opposite side as feed adjustment

handle



MaxiMat building in measures

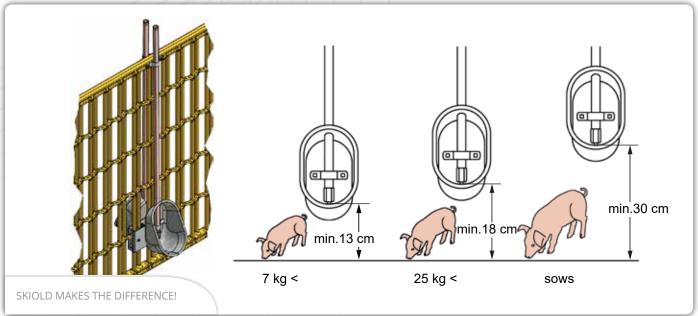




Stanchions

VARIANT	STANCHION	ITEM NUMBER	FASTENING
		140171200032 Square Stanchion 40x40x2mm L = 1 metre Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200110 Bolt kit M8x60mm, A2, 1 kit/stanchion 140171200120 T-bolt kit or 140171200122 Bolts for concrete floor 1 kit/stanchion
		140171200032 Square Stanchion 40x40x2mm L = 1 metre Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200112 Bolt kit M8x65mm, A2, 1 kit/stanchion 140171200120 T-bolt kit or 140171200122 Bolts for concrete floor 1 kit/stanchion
		140171200040 Stanchion for double Weaner, Poly trough 40x40x2mm Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200117 Bolt kit 3 x M8x70mm, A2 1 x M8x80mm, A2 1 kit/stanchion
		140171200040 Stanchion for double Weaner, trough stainless 40x40x2mm Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200117 Bolt kit 3 x M8x70mm, A2 1 x M8x80mm, A2 1 kit/stanchion
		140171200010 Angel bracket L = 0,80 metre	140171200098 Bolt kit M8x20mm, A2, 1 kit/stanchion
		140171200015 Universal bracket	140171200098 Bolt kit M8x20mm, A2, 1 kit/stanchion





SKIOLD AKVAMAT is made from stainless steel, suitable for Weaners as well as Porkers. The mounting height is adjusted to suit the size of pigs in question as shown in the sketch above. SKIOLD AKVAMAT can serve up to 20 animals per trough.

ITEM	DESCRIPTION
140173000102	2 pcs. drinking cups to be fitted to the contact grid
140173000103	1 pcs. drinking cup to be fitted to the contact grid
140173000104	2 pcs. drinking cups to be fitted on 35mm plank
140173000105	1 pcs. drinking cup to be fitted on 35mm plank
140173000106	1 drinking cup for mounting against the wall
140771250230	Drinking cup sow, complete, pipe L=245mm (10 sets per box)
140771250231	Drinking cup sow, complete, pipe L=980mm



To establish the dispensed amount of water at various water pressures and valve adjustments, please refer to the table below (tolerances +/- 5%). The valves are pre-adjusted to 2 holes, but are easily adjusted by means of a screwdriver as shown - just tip off the filter, and you have easy access to the adjustment screw.

	AMOUNT OF WATER (LITRES/MINUTE) - MAY VARY +/- 5%						
11	Nozzle adjustment	Water pressure 0,2 bar	Water pressure 1 bar	Water pressure 2 bar	Water pressure 3 bar	Water pressure 4 bar	
4	1 hole	0.275 litres/minute	0.508 litres/minute	1.060 litres/minute	1.480 litres/minute	1.650 litres/minute	
J.	2 holes	0.600 litres/minute	1.100 litres/minute	1.360 litres/minute	1.990 litres/minute	2.360 litres/minute	
	3 holes	0.850 litres/minute	1.450 litres/minute	1.920 litres/minute	2.660 litres/minute	2.840 litres/minute	
	4 holes	1.100 litres/minute	1.700 litres/minute	2.280 litres/minute	3.200 litres/minute	3.360 litres/minute	
•	5 holes	1.450 litres/minute	2.100 litres/minute	2.760 litres/minute	3.720 litres/minute	4.230 litres/minute	

Aqua Flow water level valve



ITEM	DESCRIPTION
140771000100	Aqua Flow water level valve, without pipe
140179200820	Pipe, Stainless 1/2" thread, L=980mm

Reliable water supply with water level

MASTER FLOW is a diaphragm-operated valve system, which maintains a constant water level in the trough.

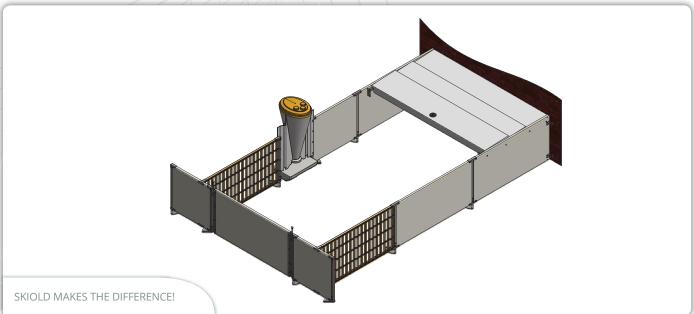
The MASTER FLOW water level valve has two entrances with 1/2" female thread for horizontal and vertical water pipes.

The water level valve is delivered with a plug in order to be able to close the entry not used.

For optimum use we recommend as follows:

- · Water supply with a prefilter
- Water pressure of 2.0 2.5 bar/29-36 PSI
- The supply pipe the vertical water pipe from the water level valve to the trough must be at least 80-220 cm
- The supply pipe is to be placed as far from the feed outlet as possible
- Regular cleaning of the supply pipe in order to avoid water contamination



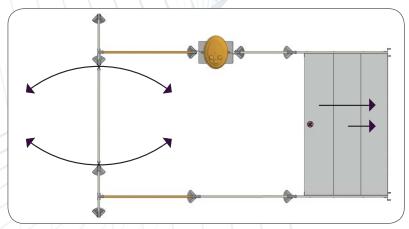


WEANER AND FINISHER PEN

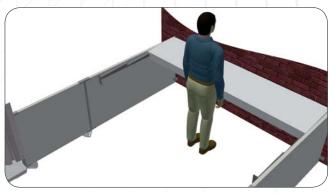
- The pen is designed to give the pig the best possible welfare.
- Gates are easy to handle with one hand.
- Easier work day due to healthier pigs.
- Simple construction = few spare parts.
- Low freight costs.
- Unique system stand out from the crowd.
- · Good climate lower heat stress.
- Easy cleaning limits bacterial growth.
- Panel and grid module can be re-used and changed as needed.



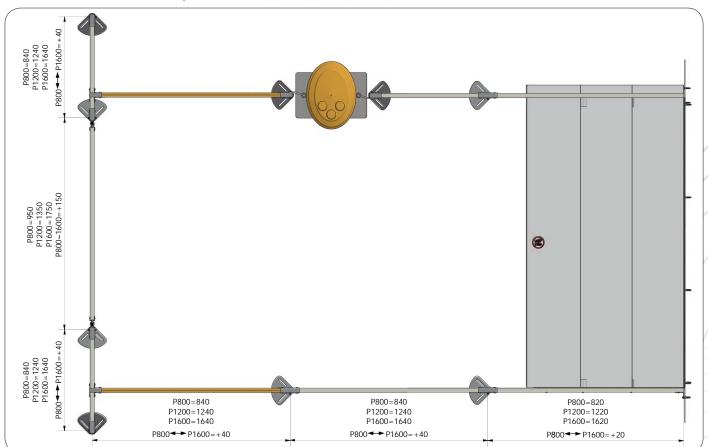
Gates can be opened in all 4 directions, however it is important that when the gate is closed all 4 fixing points are closed too.



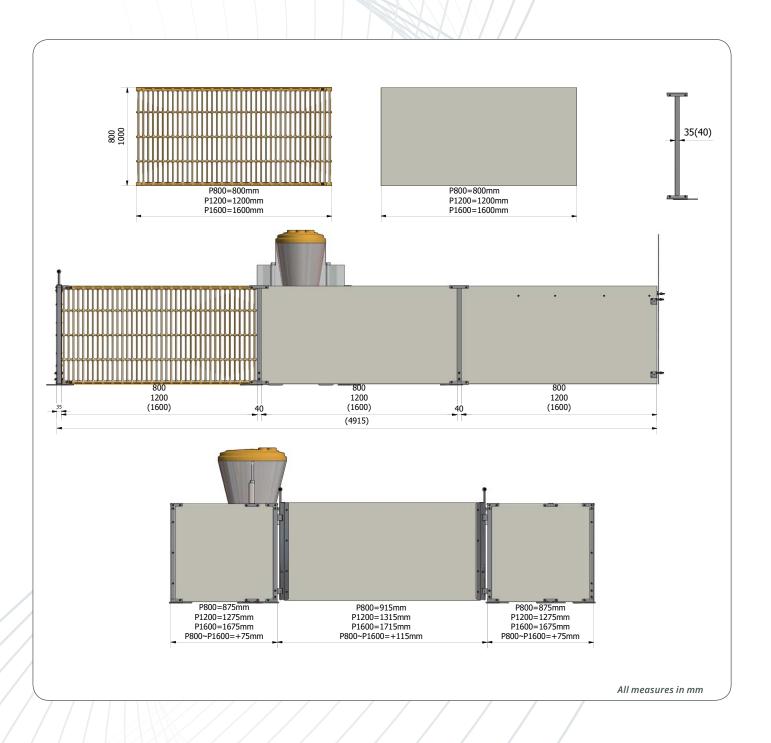
The nest cover can be pushed back and forth to watch the animals or adjust the heat.



Dimensions center post measurements:



DIMENSIONS ON PANELES:



TECHNICAL SPECIFICATIONS:

All posts and brackets are made of galavanized steel.

Posts 35x35x3mm.

Posts height 800mm (Weaner) or 1000mm (Finisher)

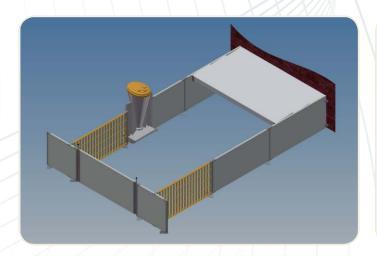
Panels and contact grid are made of high strengh reinforced komposite.

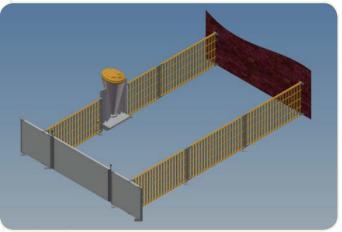
Panels/contact grid height 800mm (Weaner) or 1000mm (Finisher)

Panels/contact grid length 800mm, 1200mm or 1600mm.

PRODUCT INFO:

- · Available in two standard designs: Closed and open sides.
- · Fits all known requirements world wide.
- Designed to optimize the climate in combi-tunnel/tunnel ventilation farms.





CONTACT GRID:

- Contact grid is made to give best possible ventilation.
- Special developed plastic with extra strength and durability.
- No sharp edges.
- The grid can easily be shortened without corrosion.
- Ellipse form on horizontal bars gives less turbulence than round.
- · Un-aligned bars gives higher strength.
- Climbing nearly impossible minimal injuries.









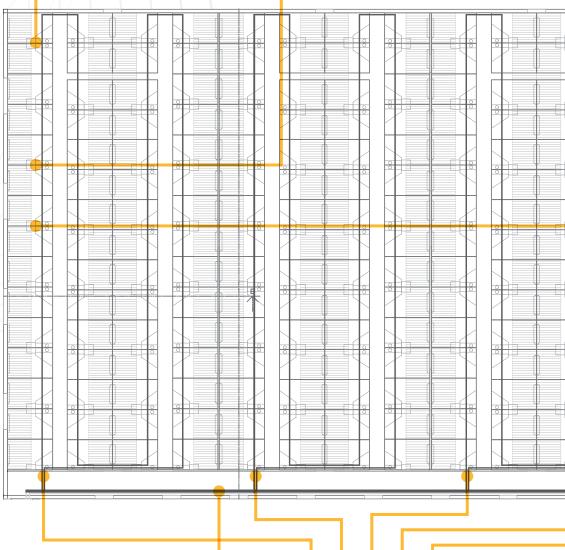
Farestald mælkekop

Koppen placeres tæt på smågrise hulen, så grisen nemt kan finde den



Farestald mælkekop

- Lavere dødelighed ved smågriseHøjere vægt pr. gris
- · Flere fravænnede pr. fravænning
- Højere vægt pr. grisMindre arbejde med at lave ammesøer
- Flere grise pr. årsso



Rør i stald Rørføringen skal sidde mest hensigtsmæssigt, så det giver færrest muligt meter rør Rørene i farestalden føres under spalterne ud til kopperne, så rørene er gemt væk fra soen







Vask af kopper

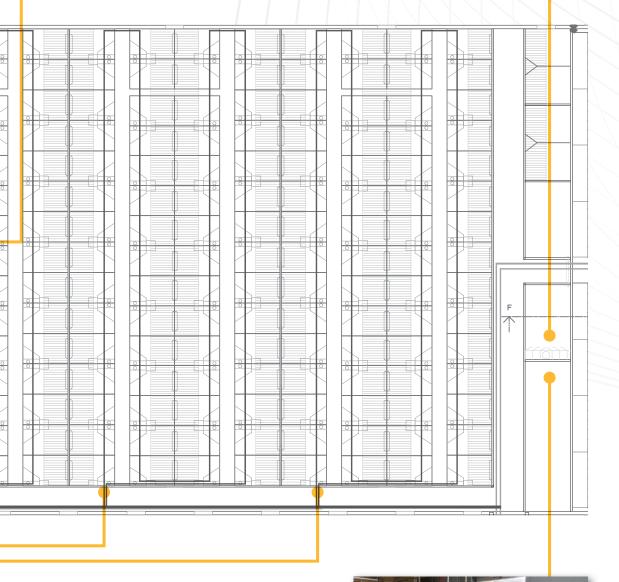
Vask af kopper sker med vandtryk, så man ikke flytter smitte fra sti til sti



Tanke + påslag

Fuldautomatisk anlæg af 2 slags foder til fodring af smågrise i farestalden.

- Altid frisk opblandet mælk
- Sikker iblandingsprocent af mælken, ingen menneskelige blandefejl
- Alle kan blande mælk



Rør omskifter

- Omskiftning fra den ene blanding til den anden
- · Ingen blinde ender

- Tanke + styring Et anlæg til 2 slags foder til fodring af smågrise i farestalden
- Manuel iblanding af de 2 blandinger



SKIOLD - gør en forskel for dig og dine dyr...

SKIOLD er en international førende producent af udstyr til foderfremstilling, svinestalde og udstyr til sortering og rensning af korn og frø, både til landbrug og industri. Den position har vi oparbejdet gennem mange års erfaring og i samarbejde med nogle af verdens bedste kunder.

Vores engagerede og højt kvalificerede medarbejdere anvender den mest moderne produktionsteknologi, så vi lever op til kundernes stadigt stigende krav til kvalitet og funktionalitet. I mere end 140 år har omhu, troværdighed og godt håndværk haft første prioritet i alle faser: Udvikling, design, produktion, salg, levering, montage og service. For at være førende på markedet, er det vigtigt at være åbne og lydhøre for nye ideer og forslag fra kunder og medarbejdere. Kun på den måde kan vi til stadighed udvikle og forbedre vore produkter.

SKIOLD gør en forskel - vores udstyr er en fremtidssikret investering.

Danmark er førende i brug af mælkekopper i farestalden. Med 17-18 levendefødte grise øges behovet for ammesøer.

Ammesøer er en dyr løsning og giver ofte en lav fravænningsvægt. Mælkekopper er løsningen på dette. Med supplerende mælk i farestalden opnås ensartede grise med en højere vægt.



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SKIOLD MAXIMAT® feeders with unique slip angles

Perfect for pellets and mash feed

All feeders are challenged by the risk that feed has a tendency to build bridge. SKI-OLD has taken up the challenge. The slip angles of the hopper make sure that the feed progresses down the wall, and at the bottom a spring will keep open the area between the hopper and the meter-ing plate. These features will reduce bridge building in a SKIOLD MaxiMat feeder to an absolute minimum.

Adjustment and cleaning

The adjustment handle has been designed based on ergonomic experience and is made from sturdy plastic. The numbers in the step-by-step setting are easily read, and hence adjusting the feed allotting is quite simple. Due to the logarithmic scale, it is possible to tune in even very small amounts.

The feeder is easily and effectively cleaned, as it has no blind angles, and the materials used are stain resistant. I smudsafvisende materialer.

The feeders are available in 4 versions:

Version 1 Maximat® Porker

MaxiMat Porker has been designed and constructed based on the principles of easy cleaning, sturdiness and a high degree of hygiene. MaxiMat Porker is equipped with a stainless steel trough with drinkers in both sides. The feeder will serve up to approx. 50 finisher pigs.

Version 2 Maximat® Weaner

MaxiMat® Weaner is perfect for piglet/weaner production. The built-in slip angles counteract bridge building so effectively that even feed with high contents of moisture and fat will be dispensed. The trough is made from stainless steel with an elevation for the feed, and a drinker at one side. The dispensing device, which will both rotate and be springy, is easy to serve, even for the small piglets. The feeder will serve up to 'approx. 60 weaners.

Version 3 Maximat® Wean to Finish

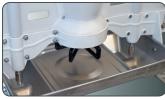
The Wean to Finish model is identical to the Porker version, but the trough is mounted with a shorter distance to the floor.

Version 4 Maximat® Weaner Poly

This version is identical to Weaner, but the trough is made from polyester concrete with an elevation for the feed and a separate drinker area at one side.

Maximat® Aqua

For all versions of feeders it is recommended to install additional water supply, for instance the MaxiMat® Aqua, which is easily integrated with the feeder. Clear and clean water is vital to piglets, especially right after weaning. The MaxiMat® Aqua offers drip water dispensing, which is SKIOLD's proposed solution to the perfect water trough for weaners up to 30 kgs. A thin water pipe ensures a constant presence of water in the trough. The movements from the water drips on the water surface attract the pigs, and thus stimulate the water consumption. The flow speed is easily adjusted on the stepless regulator. Additionally a bigger water pipe with a drinking nipple has been mounted, and the pigs will quickly learn to use it. The water trough is spring suspended and thus easy to empty and clean up, maintaining a savoury and tempting water surface.



Version 1: Maximat Porker 15-130 kg



Version 2: Maximat Weaner 7-60 kg



Version 3: Maximat – wean to finish 7-130kg



Version 4: Maximat Weaner



Maximat Aqua



SKIOLD MAXIMAT®





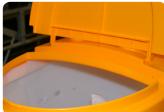
weaners



- wean-to-finish
- finishers











SKIOLD MAXIMAT® FEEDERS WITH UNIQUE SLIP ANGLES

Elected as "Best in Test" 2012 (Danish Pig Research Centre) Perfect distribution of both pellets and mash feed Feeders for growing pigs from 7 – 130 kgs Solid construction made from resistant materials





SKIOLD MAXIMAT®







- · Wean-to-finish
- Finishers











SKIOLD MAXIMAT® FEEDERS WITH UNIQUE SLIP ANGLES

Elected as "Best in Test" 2012 (Danish Pig Research Centre)
Perfect distribution of both pellets and mash feed
Feeders for growing pigs from 7 – 130 kgs
Solid construction made from resistant materials







SKIOLD MAXIMAT® feeders with unique slip angles

Perfect for pellets and mash feed

All feeders are challenged by the risk that feed has a tendency to build bridge. SKIOLD has taken up the challenge. The slip angles of the hopper make sure that the feed progresses down the wall, and at the bottom a spring will keep open the area between the hopper and the metering plate. These features will reduce bridge building in a SKIOLD MaxiMat feeder to an absolute minimum.

Adjustment and cleaning

The adjustment handle has been designed based on ergonomic experience and is made from sturdy plastic. The numbers in the step-by-step setting are easily read, and hence adjusting the feed allotting is quite simple. Due to the logarithmic scale, it is possible to tune in even very small amounts.

The feeder is easily and effectively cleaned, as it has no blind angles, and the materials used are stain resistant.

The feeders are available in 4 versions:

Version 1 Maximat® Porker

MaxiMat Porker has been designed and constructed based on the principles of easy cleaning, sturdiness and a high degree of hygiene. MaxiMat Porker is equipped with a stainless steel trough with drinkers in both sides. The feeder will serve up to approx. 50 finisher pigs.



MaxiMat® Weaner is perfect for piglet/weaner production. The built-in slip angles counteract bridge building so effectively that even feed with high contents of moisture and fat will be dispensed. The trough is made from stainless steel with an elevation for the feed, and a drinker at one side. The dispensing device, which will both rotate and be springy, is easy to serve, even for the small piglets. The feeder will serve up to 'approx. 60 weaners.



The Wean to Finish model is identical to the Porker version, but the trough is mounted with a shorter distance to the floor.

Version 4 Maximat® Weaner Poly

This version is identical to Weaner, but the trough is made from polyester concrete with an elevation for the feed and a separate drinker area at one side.

Maximat® Aqua

For all versions of feeders it is recommended to install additional water supply, for instance the MaxiMat® Aqua, which is easily integrated with the feeder. Clear and clean water is vital to piglets, especially right after weaning. The MaxiMat® Aqua offers drip water dispensing, which is SKIOLD's proposed solution to the perfect water trough for weaners up to 30 kgs. A thin water pipe ensures a constant presence of water in the trough. The movements from the water drips on the water surface attract the pigs, and thus stimulate the water consumption. The flow speed is easily adjusted on the stepless regulator. Additionally a bigger water pipe with a drinking nipple has been mounted, and the pigs will quickly learn to use it. The water trough is spring suspended and thus easy to empty and clean up, maintaining a savoury and tempting water surface.



Version 1: Maximat Porker 15-130 kg



Version 2: Maximat Weaner 7-60 kg



Version 3: Maximat – Wean-to-Finish 7-130kg

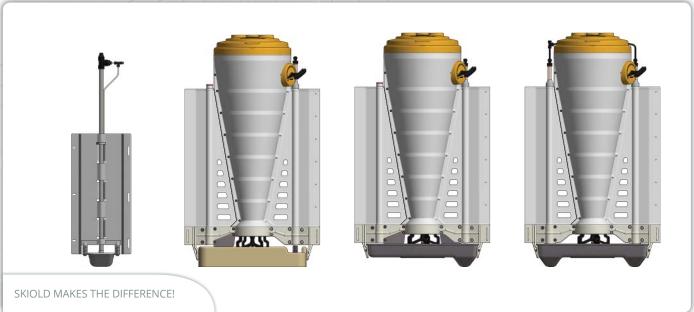


Version 4: Maximat Weaner Poly



Maximat Aqua





Hopper volume: 40 litres (approx. 60% full)

Adjusting feed amount: 25 increments + 0 (totally shut) + CLEAN (fully open)

Necessary water pressure: 2,5 - 3 bar

Water supply connection: Ø8mm plastic hose

Hopper flange thickness: 6mm ± 1mm

Max. floor gradient: 3% - Polyester concrete trough is adjustable in the

fitting brackets on the trough.

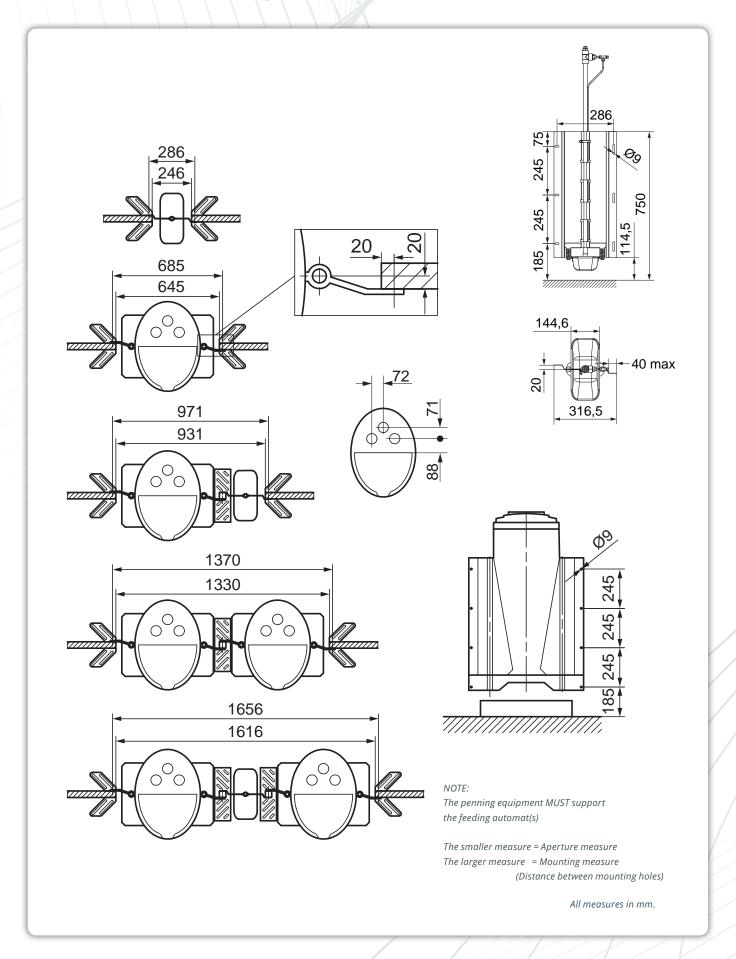
Maximat Weaner right: Watertrough same side as feed adjustment handle

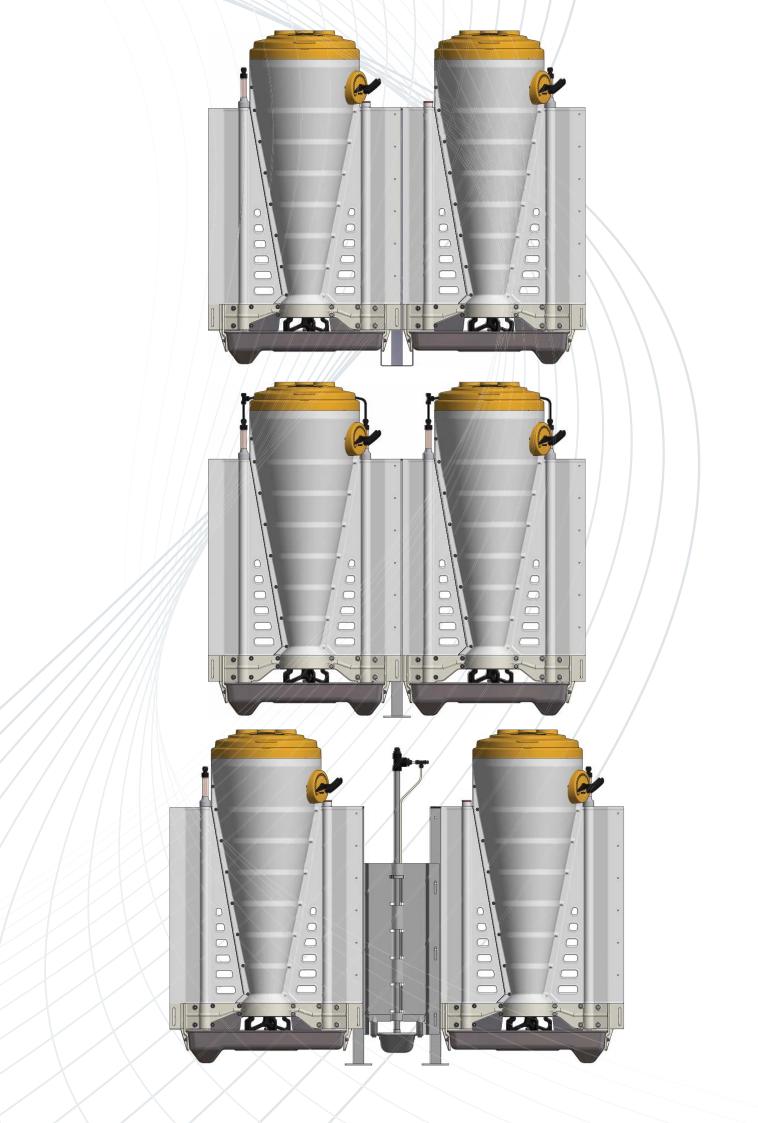
Maximat Weaner left: Watertrough opposite side as feed adjustment

handle



MaxiMat building in measures





Stanchions

VARIANT	STANCHION	ITEM NUMBER	FASTENING
		140171200032 Square Stanchion 40x40x2mm L = 1 metre Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200110 Bolt kit M8x60mm, A2, 1 kit/stanchion 140171200120 T-bolt kit or 140171200122 Bolts for concrete floor 1 kit/stanchion
		140171200032 Square Stanchion 40x40x2mm L = 1 metre Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200112 Bolt kit M8x65mm, A2, 1 kit/stanchion 140171200120 T-bolt kit or 140171200122 Bolts for concrete floor 1 kit/stanchion
		140171200040 Stanchion for double Weaner, Poly trough 40x40x2mm Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200117 Bolt kit 3 x M8x70mm, A2 1 x M8x80mm, A2 1 kit/stanchion
		140171200040 Stanchion for double Weaner, trough stainless 40x40x2mm Note: Should not be used on cast iron slats. (galvanic corrosion)	140171200117 Bolt kit 3 x M8x70mm, A2 1 x M8x80mm, A2 1 kit/stanchion
		140171200010 Angel bracket L = 0,80 metre	140171200098 Bolt kit M8x20mm, A2, 1 kit/stanchion
		140171200015 Universal bracket	140171200098 Bolt kit M8x20mm, A2, 1 kit/stanchion







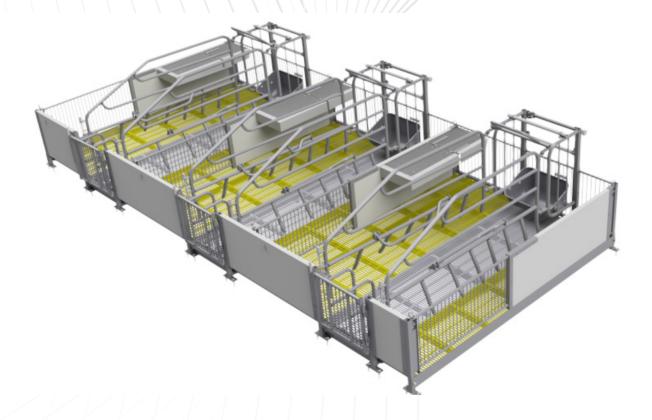




SKIOLD PENNING FOR EFFICIENT AND MODERN PIG FARMING

Increase your efficiency, reduce piglet mortality, and focus on animal welfare. SKIOLD has long experience within designing of pig farm projects; offering complete solutions with own produced equipment





The farrowing section

The farrowing section is one of the most important sections in your pig farm; this is where the basis for an efficient and profitable production is created.

A well designed farrowing house provides for animal welfare as well as good working conditions for your employees.

Low mortality among the piglets, from birth to weaning, is an important key indicator and is only ensured by a correctly designed farrowing crate.

The small details make the difference, - stainless steel trough for the sow offers hygienic feeding and easy cleaning, a separate piglet trough and drinker in combination with heated climate corner offer your piglets the very best conditions during the weaning period.

The floor in the farrowing house can be either a combination of solid concrete and cast iron slats under the sow to keep her cooled OR slatted floor with a combination of plastic slats for piglets and cast iron slats for the sow.

SKIOLD have two different types of penning to the farrowing section: a traditional version and a version specific for use in connection with tunnel ventilation as shown in the picture above.







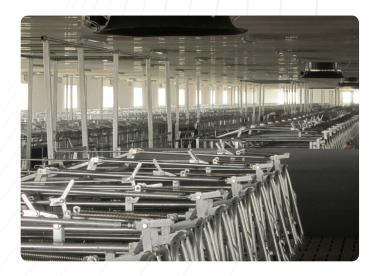
Mating & Gestation

The Mating Section

Mating section with easy access for insemination, and boxes made of heavy hot dip galvanized steel pipes. Troughs are available either in stainless steel or polymer-concrete made. Drinking water is provided either by one drinking nipple per sow, or the easy and secure way, via the SKIOLD Aqua Flow valve.

The Gestation section

The gestation section can be designed in different ways, only a simple penning layout is needed if you decide to feed your gestating sows by ESF system. Individual eating places offers a simple and easy solution. With focus on animal welfare you should choose free access boxes.







Weaners & Finishers - new modular system

SKIOLD has developed a new state-of-the-art modular penning system for weaners and finishers.

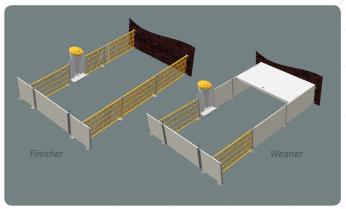
Hygiene is one of the key elements, and the unique and innovative design of the ellipse shaped grid and the very few parts, limit bacterial growth and makes it the easiest system to clean thus ensuring better health for the pigs and an easier workday in the stable.

The materials and shape of the grid are unique and stands out from other solutions on the market. The material is a new type of extra strong composit with long durability and the ellipse shape has never been seen before. The design is made without any sharp edges to ensure minimal injuries.

Designed to optimize the climate in combi-tunnel ventilation farms.

- High strength
- No corrosion
- · No sharp edges
- · Easy mounting
- Optimizes climate and hygiene





The most unique penning solution in the world!





SKIOLD pig farm projects

- solutions for the world's greatest pig farmers





Profit-driven success in pig production

Increased profits and efficiency combined with better animal welfare are the key factors for success for SKIOLD's customers within pig production all over the world. Our customers – or as we prefer to see them – our partners choose to work with Danish-based SKIOLD due to our extensive experience within the design and production of state-of-the-art pig farm machinery.

Partnering with us, you not only get the most modern technology available within pig farming, but also access to the most experienced experts in the market. In short, you can have a complete pig farms delivered anywhere in the world. A SKIOLD solution includes equipment for dry and liquid feeding, transponder feeding, penning, climate control, farm management (production), education and digital farm management systems.

Dry and liquid feeding

Independent of your demands for feeding, SKIOLD supplies a wide range of feeding equipment. Whether you prefer dry or liquid feeding, SKIOLD supplies an optimal and cost-efficient solution based on life-long knowhow within feeding systems based on modern technology.

Our feeding systems are designed to match the specific need in all sections of the pig farm. For free pig housing, SKIOLD Electronic Sow Feeding is the optimal solution developed on the basis of more than 30 years of experience. Should you demand electronic supervision, data communication, and real-time information about operation, SKIOLD will meet your demands for both present and historical data about your pig production.

Customized housing design

Hygiene and animal welfare provides better result as it ensures better animal health and a trouble-free workday for the farm manager and staff. SKIOLD has penning systems for each section of the pig farm designed to increase production efficiency due to careful layout of the entire farm complex.

Climate control

Independent of the climate in the area where the pig farm is situated, SKIOLD has the experience required covering all clima types from the hottest areas to the coldest. Farms operated in extreme climates, e.g. tropical areas with a hot, humid climate can be tailored on the basis of thoroughly tested components. All components and modules of a SKIOLD solution comply with demands for optimal climate in the pig houses for both animals and employees made by modern pig breeders all over the world. You will be the owner of a farm complex created with a view to minimizing energy consumption and optimum indoor temperature in all climates.



Optimal and cost-efficient solution based on life-long knowhow within feeding systems based on modern technology.









Full-line pig farm based on modern equipment and efficient workflow

This way, you achieve the most efficient and future-proof solutions that are sustainable and provide you with full traceability from feed to meat.

Logistics between all sections is considered carefully when laying out the entire farm complex to ensure that production and daily operations can be carried out as efficiently as possible.

Mating control area

- · Individual feeding
- Partly or fully slatted floor

Pigs stay for up to 5 weeks in this section.

Boar service area

Boar pens with closed or open partitions depending on ventilation system. A boar has a tremendous influence on a farm's productivity and profitability. In order to maximize the herd's performance boars should be given careful attention. It is imperative that the boar pen is well ventilated and draught free as boars are alone in their pen and have little fat cover and

therefore little protection against the cold. If the temperature is too high it will affect the semen quality in a negative way, and can make the boar infertile.

Gestation section

- · Group housing for sows
- Electronic Sow Feeding, individual or group feeding
- · Individual boxes
- Free access stalls
- Partly slatted floor

Pigs stay minimum 11 weeks in this section.

Farrowing section

- Farrowing crates and piglet nest for piglets
- Partly or Fully slatted floor
- · Heated piglet zone











Pigs stay 4 weeks or more in this section. Meet the recommendations for frequent feedings that ensure that sows get up to eat fresh feed and are kept in good condition to avoid injuries and to optimize reproduction. In short, to ensure health, welfare and optimal production profits.

Weaner section

- Flooring can be partly cast-iron or fully plastic slats
- · Dry or liquid feeding
- Up to 25 pigs per pen

Pigs stay 8 weeks here.

Pens made with closed or open partitions depending on choice of ventilation system. A cover in the back of the pen secure optimum climate in the pen. A Maximat feeder for ad lib feeding placed in the partition between pens. The feeding system can be single line, double line, phase feeding or multi phase feeding for those who really want to optimize feeding strategy.

Finisher section

- · Partly or fully slatted concrete floor
- Dry or liquid feeding
- 20-24 pigs per pen

Pigs stay in this section untill they reach slaughter weight depending on market demands. Pens made with closed or open partitions depending on choice of ventilation system. With a Maximat feeder placed in the partition between pens, the pens can hold a maximum of 20 pigs.

Quarantine section

· Transit area

Lay-out and feeding system identical to the previous sections to ease the adaption by the animals after transit from previous section.

Training & education

In order to guarantee you with the best initiation after completion of your pig farm, staff and farm managers are trained thoroughly in the daily use, cleaning and maintenance of all SKIOLD equipment and systems.

Training is a combination of theoretical and practical training and involves all levels – from production staff to farm managers. The training is customized to the skill level of your staff and covers all aspects of the successful operation of both equipment and of the production itself based on best practice from our customers all over the world.



Efficient daily operation based on real-time data

Transparency and full traceability of all processes of production is key to successful pig farm management. SKIOLD provides you with a modularized farm intelligence system that can be set up to meet your demands for data. A personalized, role-based user interface allows you, farm management and staff to get insight into different aspects of operation.

At SKIOLD we have a vision to build an intelligent data platform for agriculture and give you total control anywhere - at any time - covering all elements with impact upon the productivity and quality of your agricultural business. SKIOLD digital® enables you to face the increasing challenges now and in the future

Intelligence & analytics farm management system

One system that gives you overview of the entire farm or production facility. All production data in gathered in one single management platform for your comprehensive analysis and daily management of all aspects of your production. This assists you in performing better as you have instant access to real-time data about everything from feed and climate to animal performance.

Data will give the operator the necessary overview and possibility to optimize every step of the workflow and allows you to monitor your production, compare performance between production units and forecast production as well. All data is available in one system, ending the hassle of harvesting data from different systems. Full overview is crucial for optimal results and returns on your investment.

With our new application you will be able to meet the future standards of efficient and sustainable agriculture through perfect management of grain, seed, feed, animals, people etc.

Traceability

Traceability is a crucial part of the modern food industry and **SKIOLD digital** enables tracing through the entire supply chain – from farm to fork. With **SKIOLD digital** you are in control through the entire process.

Animal welfare

With SKIOLD digital® you can control that the animals are fed with the precise feed quality and quality they need for optimal growth. Easy and effective monitoring makes it possible to follow the animals growth and wellbeing and make improving of animal welfare even easier.



Full overview is crucial for optimal results and returns on your investment.





How we work - your benefits

SKIOLD offers a full-service concept – from analysis to the delivery of a turn-key, future-proof pig farm worldwide. Our goal is to deliver the optimal solution, and we involve both in-house and world leading experts.



Cost-benefit thinking works

Thinking cost-benefit on your behalf is one of our most important responsibilities in our approach to fulfill your requirements. Your future results are our goal and we do everything in our power to live up to your highest expectations.



Cost-benefit analysis

The first step to the delivery of a successful SKIOLD solution is a cost-benefit analysis focusing on your needs and future goals. We develop new facilities from scratch or optimize existing facilities.



Project proposal

During the entire process we maintain a close dialogue with your concerning questions and critical issues that may arise. Rest assured that our extensive experience allows us to foresee many of them beforehand.



Conclusion of contract

You will receive a project proposal including drafts of your farm project. A detailed, written contract ensures that we have considered all elements of the project. The contract is the basis for a smooth project process and reduces the risk of unexpected costs.



Project engineering

Thorough project engineering is fundamental for success and we assist during the entire process and have the qualifications to see the project all the way through. We convert your requirements into a solution tailored to your specific needs.



Manufacturing

Costs are kept low and the repayment period for the investment is shortened as we primarily use SKIOLD standard modules manufactured at SKIOLD-owned factories in Europe when building your pig farm.



Supervision, installation & training

Our experienced supervisors manage installation to secure that installation is efficient and well-coordinated, and they carry out quality control of the entire installation. When installation is completed, your staff will be successfully trained in the operation and maintenance of all equipment.

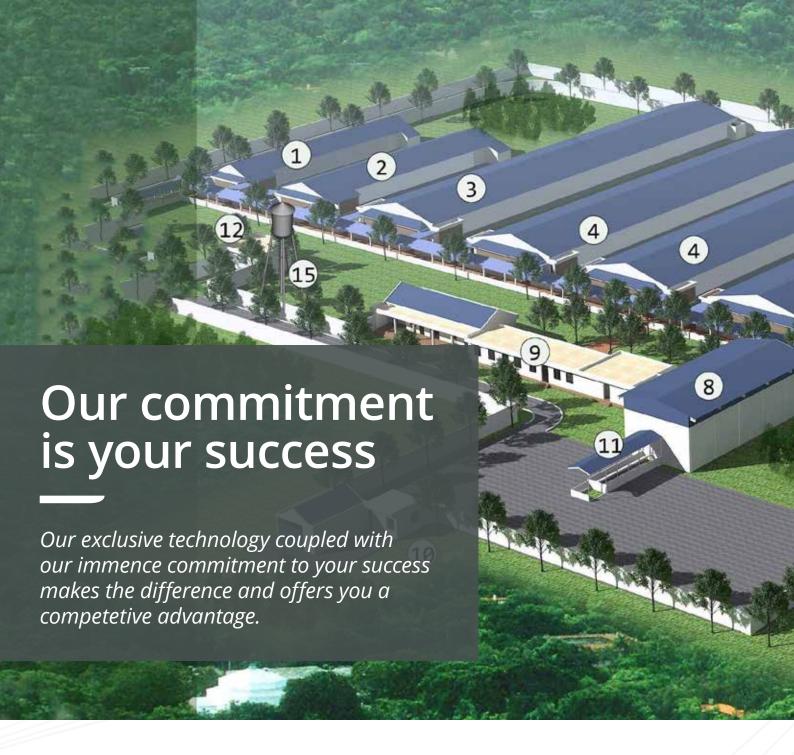


Long term partnership

We aim to be a long-term partner and are available with on-line and on-site support, supervision and service during operation. We take responsibility – a SKIOLD project is not completed until the pig farm is operating satisfactorily. And even afterwards, we can provice education in on-farm management, continuously education of staff, analyzing digital outcome, further development of the farm.



Performance indicators from our customers success after choosing a SKIOLD solution, i.e. more than 30 pigs per sow per year.



Designed for complete overview, superior animal welfare, high level of biosecurity and excellent working conditions

Our road to success as a supplier is measured by your success as a pig producer. The majority of our advisors, technicians and engineers have personal experience with working in pig farming. Thus, you will deal with people who understand the tasks you face and who know what is important for you.



SKIOLD CASE

- Project based on 1,250 sows in full-line production
- · Production based on the all-in, all-out principle
- High level of biosecurity with double fencing, entrance with showers, no external transport inside the farm and disinfection before entering the farm of both animals, people and material
- Feed mill is located in the farm complex for easy internal feed transport to all sections of production
- The feed mill can be placed elsewhere and feed will then be stored in outdoor silos at the end of each building

1 Boars

2 Gilt development

3 Mating

4 Gestation

5 Farrowing

6 Weaners

7 Nursery

8 Feed Mill

9 Office building

10 Security building

11 Intake

12 Power station

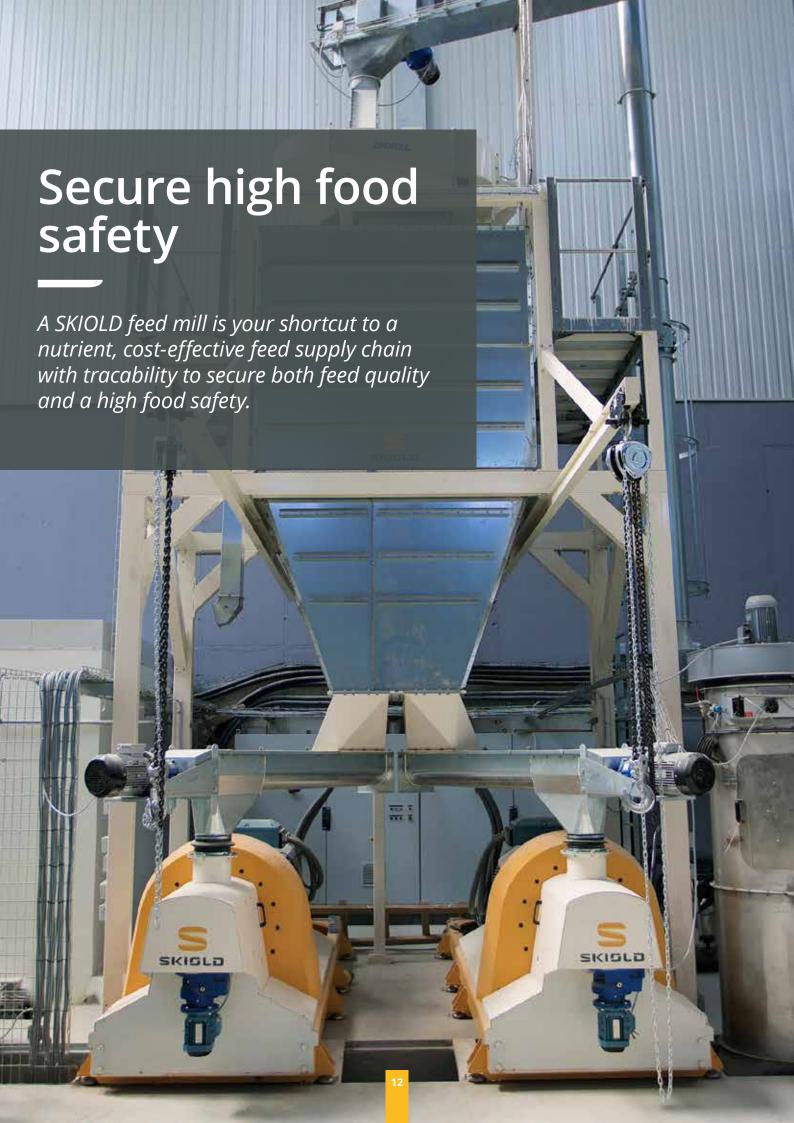
13 Door entry

14 Outlet

15 Water tower



Optimal pig flow throughout the process ensures sustainability and traceability.



SKIOLD Feed Mills for quality feed production

Choose a complete feed mill in a customized design with capacities 1-40tph – or even bigger upon request. SKIOLD supplies and installs complete feed mills including equipment, engineering and site services. All equipment from intake, cleaning, dosing, grinding, mixing and possibly pelleting to the advanced management system which controls the whole proces and keep track of a.o. stock and production is produced by SKIOLD.

User-friendly design saves time

We ensure that the entire feed milling process is easy and operates smoothly. The best production equipment provides the very best feed quality and minimizes the risk of costly human errors. The great advantage in producing your own feed is that it saves you valuable time – every single day.

Improved healthiness of the livestock

Users of SKIOLD solutions report that livestock show better health due to increased feed quality. Superior feed quality ensures you the most profitable operation, health, growth and feed conversion rate for your livestock.

Think of the future

Changes in your company or in the market situation (e.g. requirements regarding animal nutrition) may cause you to revise your needs and demands. The design of a SKIOLD feed mill is prepared for an easy and smooth adaption. In case your requirements change over time, the modular design of your feed mill allows for easy upgrading of e.g. capacity or degree of automation.

Advantages of producing your own feed

- Use your own grain or individually selected raw materials, assuring yourself of the finest quality of ingredients in the basic feed production.
- Possibility of producing your own special composition of premix and feed mixtures.
- Convenience of having complete control of your own programme, including feed formula, freshness of feed and the ability to prepare your own feed whenever you need it.
- · Lower feed expenses compared to buying commercial feed.

 Always fresh feed – most rations loose in quality and feed value if not used within 3-4 days after production. Animals perform better and need less feed because the ration is fresh every day.

Complete grain & seed processing plants

SKIOLD Damas is specializing in seed and grain cleaning, grading and processing, optimized crop yield, and offer a large diversity of cleaning and grading machines for all kinds of grain, seed, and pulses.

Goodbye, mycotoxins

The SKIOLD Damas Sigma improves food safety and give you a more hygienic end product and healthier animals. Because seed and grains are cleaned centrifugally by being forced against the rotating screens, each individual grain will be polished and cleaned across its entire surface area. This process reduces the presence of germs, fungi and bacteria by up to 90% - proven by the independent German Test institute IFF.



Superior feed quality ensures you the most profitable operation, health, growth and feed conversion rate for your livestock.







Examples of SKIOLD solutions worldwide

Find more reference stories on our web page.

VPF, Pork Valley - Thailand

With a capacity of more than 12,000 sows, VPF is among the top 20 pig producers in Thailand and the most prominent company within sustainable farming in Thailand.

Environmental issues are highly important to them, and they have set up a green supply chain ranging from traceability of the high-quality feed to reducing pollution of the surrounding nature.

VPF not only produces pigs, but also slaughter, manufacture and sell meat as high-end, quality private-label products, manufactured under the highest international standards when it comes to both environmental and animal issues.

«Our first project with SKIOLD was back in 1994 for a liquid feed solution for finisher farms and since then we have worked closely together on five large projects for both liquid and dry feeding. We have 12.000 sows and in total 110,000 pigs on the two farms so a reliable feeding system is of outmost importance for us.« says mr. Vorapong, CEO of VPF.

Hung Vuong Group - Vietnam

SKIOLD has supplied three full-line pig farms for Hung Vuong Group in Vietnam each with 2500 sows.

"SKIOLD's equipment are not at a low price. However, we still choose them because of the quality and it suits our pigs. We selected SKIOLD as the supplier. As regards the automatic feeding system, we do not have to spend much time to feed the pigs. Instead, we have more time to care for the pigs, reducing labor costs.", says xxxx??.

Besides the pig farm, SKIOLD also supplied solution for the feed factory.

Tybjerggaard - Denmark

Denmark's largest breeder of pigs, Tybjerggaard, has been a SKIOLD customer since 2005 and has lately expanded its production with a new building for 10,000 gilts (6,500 m²) and the extension of an existing building by 2,200 m² so that it will contain 3,600 gilts. Total production per year is to reach 20,000 gilts of which most are exported to Poland, Italy, Germany but also to China and Vietnam.

"Tybjerggard has chosen SKIOLD as a supplier of our new equipment, because we want to produce the healthiest pigs in the world. With the expansion we will be able to get higher value, healthier pigs, use less medicine, and eliminate stomach problems and thereby ensure optimal growth conditions", says Mr. Bent Jeppesen, the owner of Tybjergaard.

SKIOLD makes the difference

With more than 140 years' experience as a global supplier of full-line, automated pig farms and machinery for fully automatic feed production, grain storage, the handling of plants and processing of seeds, SKIOLD is one of the most preferred partners in its field.

You will find SKIOLD feed production plants, grain storage and handling plants, full-line pig farms, and seed processing plants all over the world. This has given us wide experience in working under all types of local conditions and dealing with the challenges implied by

SKIOLD supplies customized pig farm projects, be it the refurbishment of existing farms or the design and production of new, turn-key pig farms fully equipped with feeding systems, climate systems, penning equipment, and slurry systems.

To us, local presence is of outmost importance. Therefore, SKIOLD has established local offices and a dealer network globally. Closeness to our partners enables us to offer the best after-sales service and quick delivery of spare parts.

An investment in SKIOLD equipment is a future-proof investment.

KEY FIGURES:







11 local offices



European production



4 R&D departments

BUSINESS AREAS:







Feed Mills &



Feeding of

Poultry

Full-line pig farms

