



Big Dutchman®



Sow Management

Modern housing and feeding systems

Successful sow management – but how?

To achieve an increase of sow performance to more than 25 weaners per year is not easy but it is possible. By supplying the right housing and feeding systems, Big Dutchman is able to provide you with the technical conditions. In modern sow

management, the right housing equipment plays an important role for economic success.

Big Dutchman is able to deliver the right equipment tailor-made to the requirements of every customer. Whether it is a new

house or refurbishment of existing houses, working with you, our specialists will develop an optimum concept for successful piglet production.

Service centre with separate boar pen and sow stalls

The service centre is the starting point for the production of healthy and vital piglets. In order to achieve optimum boar performance, the sows have to be in top condition. In addition, the room should be light and the boar should be allowed to stimulate the sows.

A confined space may reduce the sows' reaction to the boar.



Service centre with separate boar pen and stalls

Sows in stalls can easily be monitored and controlled individually. There is no aggression during feeding. Artificial insemination can easily be carried out. Where group management is practiced, some separate sow stalls should be available for individual housing of sows which return to heat, for example.

The BD stall is available with a P-door (available up to 750 mm width). Both door parts can be opened individually to the outside and to the inside which facilitates insemination.

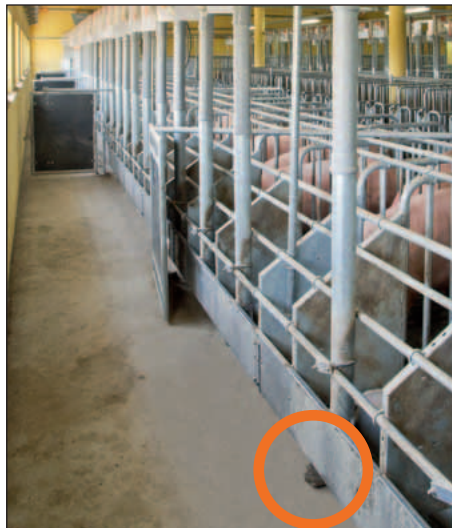
360° rotating stainless steel feet make for easy mounting on the concrete slatted floor and provide corrosion protection. If a raised stainless steel trough is installed, the sows can rest their heads underneath

the trough. In addition, thorough cleaning is made much easier.

If a boar-restraining door is used, the boar can be retained in the inspection aisle to stimulate the sows during insemination.



Stall with P-door for trouble-free insemination



Raised stainless steel trough



Boar-restraining door to lock the boar in place

Waiting area

Modern housing systems for pregnant sows

Group housing of sows improves their well-being as well as their constitution. There are several different housing and

feeding systems available from Big Dutchman. The most important thing is that the selected system fits your farm's individual

requirements. Let our experts advise you to find the best solution for you.

1. Group pens – a simple and economic solution



View into a waiting area with group pens

Advantages

- ✓ all sows eat at the same time
- ✓ the farm manager can easily supervise his stock while the sows are feeding
- ✓ the sows do not need a special training period for the system
- ✓ no aggression during feeding
- ✓ 45 - 55 cm feeding space width
- ✓ simple pen arrangement
- ✓ cost-effective solution

2. Group housing with single stalls

In case of single stalls the door behind the sow is opened/closed manually by

the service personnel. When the stall is open the sows can freely move around

in their group.



View into a waiting area with single stalls

Advantages

- ✓ all sows have a separate feeding place where they can eat without being interrupted
- ✓ no aggression during feeding
- ✓ good monitoring conditions for every sow, not only during feeding, as each stall can be locked
- ✓ manual individual feeding by means of volume dispensers if a dry feeding system is installed
- ✓ can be used both in the service area and in the waiting area

3. Group housing with free-access stalls “Easy Lock” and “HD”

The free-access stalls “Easy Lock” and “HD” close automatically when a sow enters the stall and open when the sow wants to leave the stall. Both stalls allow the sows to move around freely within their group. Feeding, however, takes place only in the stalls. This provides every sow with her own feeding place where she can eat without being disturbed. Feed can be provided either dry or liquid.

Our free-access stalls have the following advantages:

- ✓ the sow can enter or leave the stall at her own will;
- ✓ all sows can eat simultaneously;
- ✓ protection against more aggressive sows;
- ✓ no stress during feeding;
- ✓ good monitoring conditions for every sow since the stalls can be locked individually or altogether;
- ✓ the stall also acts as a safe retreat for individual sows;
- ✓ provides high comfort for both the service personnel and the sow.



Free-access stall “Easy Lock” – the sow can open and close the stall by herself



Special insemination door (optional)



Stall “Easy Lock” with swinging door

Features of “Easy Lock”

- ✓ the sow enters the stall through a swinging door
- ✓ easy-to-use
- ✓ only minimal mechanics
- ✓ special insemination door (optional) for easy monitoring, such as pregnancy check
- ✓ adjustable width (60 - 70 cm)
- ✓ good price-performance ratio



Free-access stall “HD” with up-and-over door

Features of the “HD” stall

- ✓ up-and-over door
- ✓ centrally accessible door to facilitate pregnancy check, for example
- ✓ available in two different widths (62 and 65 cm);
- ✓ can be used both in the service area and in the waiting area
- ✓ stable and very rugged construction



Free-access stall "HD" – the door does not close until the sow has reached the trough



Stall "HD" – very rugged design

4. CallMatic 2 – electronic sow feeding on-demand (ESF)

CallMatic 2 is a feeding system for pregnant sows housed in groups. The advantages of animal-friendly husbandry and individual feeding adapted to the needs

of the individual sow are combined in an ideal manner. Individual feeding means that feed is distributed as required by the condition

of the individual sow. Feed can be distributed either dry or liquid. Additional information can be found in a separate brochure.



View into a waiting area with CallMatic 2 ESF stations

Advantages

- ✓ group management to a maximum of 60 sows per ESF station
- ✓ station computer for every station
- ✓ automatic selection
- ✓ heat detection (optional)
- ✓ hand-held terminal for mobile management (optional)
- ✓ freely-programmable feed curves can be visualised at the PC
- ✓ sow management software
- ✓ colour marking (optional)
- ✓ variable installation possibilities, also suitable for installation in older houses

The local station computer has a concise display which shows important information such as the number of visits at the station, the consumed feed or the current status of a sow.

zone) and enables the service personnel to make adjustments without being disturbed.

Another advantage is that the station computer no longer has to be installed directly at the respective ESF station but can also be installed in the aisle. This makes for better accessibility (animal-free



Station computer in the aisle

Farrowing area

with farrowing pen, plastic flooring and heated resting area

Farrowing pens have to provide ideal conditions both for the sow as well as for the piglets during their first weeks of life. For this purpose, Big Dutchman has different solutions available.

The penning system is very flexible and since it does not depend on length measures, it is possible to create any desired pen shape. The partition of the pen can have a height of 500 or 600 mm.

To fulfil special requirements regarding animal-welfare, the farrowing pen is also available as a free-movement pen. There is also a special cover available for the piglets. The front part of the cover can



Pen with 4-foot crate and cast iron slat beneath the sow and integrated plastic heating plate for the piglets



4-foot crate with cast iron slat beneath the sow and heated special cover for the piglets



Diagonal housing

The plastic flooring ensures good manure penetration and does not have any sharp corners or edges. It can be cleaned easily and can be combined with solid plates, cast iron slats and heating plates for piglets. Depending on the housing concept the crates can be arranged straight or diagonal.

be opened to facilitate monitoring. The rear part has an opening which can be used either for a heat lamp or it can be closed off with a sealing cap.



Free-movement pen -> more freedom of movement for the sow, diagonal housing

Important features of the farrowing crate

- ✓ all farrowing crates can be adjusted in width and length
- ✓ designed either with door or to allow for complete opening
- ✓ fixed or adjustable keep-off rods prevent piglet losses caused by crushing and provide the sow with a comfortable resting area
- ✓ self-supporting sow crate or 4-foot crate for better stability
- ✓ includes tilting trough for thorough and easy cleaning (optional)

Piglet rearing

Housing and feeding systems

Big Dutchman piglet rearing pens are equipped either completely or partially with our animal-friendly and anti-slip plastic flooring system. Rounded edges protect the piglets against injuries. The optimum solid-to-void ratio ensures good manure penetration thus keeping the floor clean and promoting healthy piglets.

quickly assembled and have a long service life.

If required, heating plates can easily be incorporated. They consist of high-quality polymer concrete, plastic or GRP and are heated either electrically or by means of warm water.

The penning system consists of flexibly-

Feed for piglet rearing can be supplied either dry or liquid. If the DryRapid dry feeding system is used, the Big Dutchman automatic feeders PigNic, SWING or MultiPorc are most appropriate.



Piglet rearing pen with PigNic-Jumbo



Group pen with MultiPorc

The slats are available in 2 different sizes and can also be delivered with only 10 % slatted area. The slats are easily and

usable, dimension-independent plastic partitions. Door fittings, pen posts and accessories are made of stainless steel.

If the piglets are to be fed with liquid feed, our liquid feeding systems HydroAir or HydroMix-Sensor are the feeding systems of choice.



Piglet rearing pen with liquid feeding system HydroAir



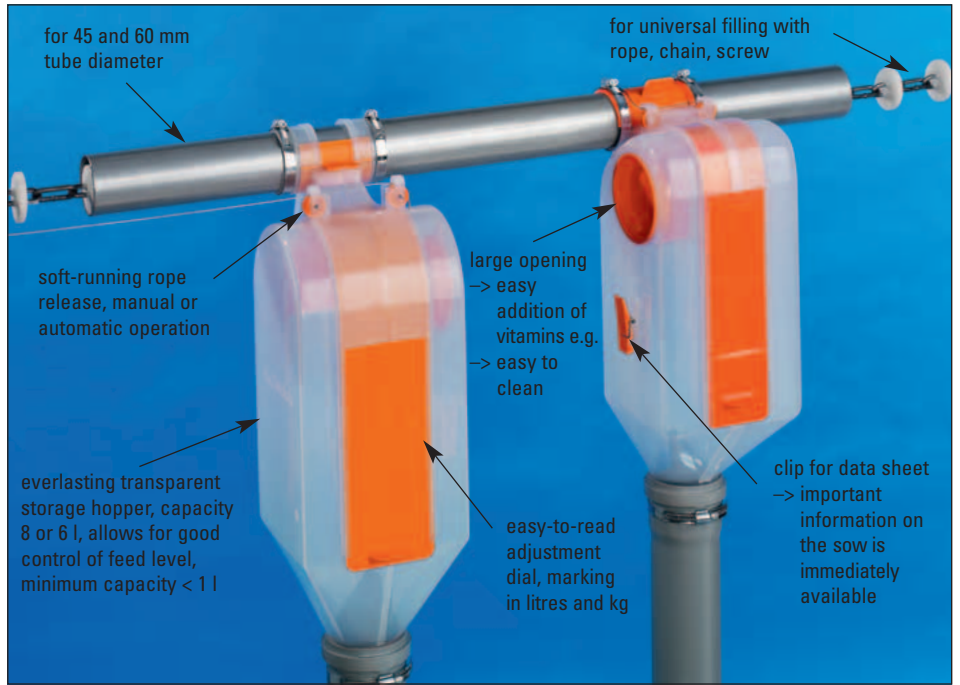
Piglet rearing pen with HydroMix-Sensor

Feeding systems for sows – dry or liquid feeding are possible

The sows can be fed either dry or liquid. If dry feed is used, the flexible, high-performance DryRapid tube conveyor system is the system of choice (DR 850/DR 1500). It transports feed reliably to the volume dispensers by means of a conveyor chain. The volume dispensers are available with 6 or 8 l and can be operated manually or automatically.



Automatic release – for simultaneous release of up to 100 volume dispensers



Volume dispensers 8 and 6 litres

If sows are to be fed with liquid feed, HydroMix is the right system. It can be used flexibly for all different types of management and housing methods. The feeding computer controls the entire system, collects the consumption data and signals disturbances.

The required feed dosing precision is done by a frequency converter which accurately controls the conveying capacity of the system. In the gestation area several sows can be fed from one valve as a group. Additional information can be found in a separate brochure.



Feed kitchen with HydroMix



Big Dutchman®

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