



Big Dutchman®

PIG

Production
Systems



1 Silos



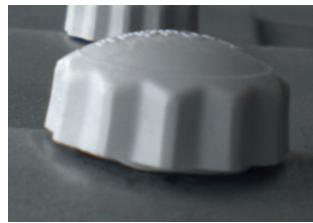
- ✓ ZnAl-coating - corrosion resistant;
- ✓ Mechanical and/or pneumatic filling systems;
- ✓ Day silo from 2.67 ton (4.1 m³) to 33.15 ton (51.000 m³).

TECHNICAL DATA

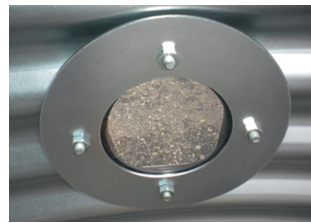
A Diameter		B No. of rings	No. of legs	C Total height	Volume	Total feed weight
(m)	(feet)			(m)	(m³)	(t)
1.80	6	1	4	3.70	4.10	2.67
		2		4.58	6.30	4.10
		3		5.40	8.60	5.59
2.10	7	2	4	4.91	9.15	5.95
		3		5.79	12.30	8.00
		4		6.65	15.40	10.01
2.75	9	2	6	5.63	16.60	10.79
		3		6.53	21.80	14.17
		4		7.40	27.00	17.55
3.66	12	2	8	6.48	32.60	21.19
		3		7.36	41.80	27.17
		4		8.24	51.00	33.15



1. Rubber Cap



2. Plastic Head Screw



3. Inspection Window



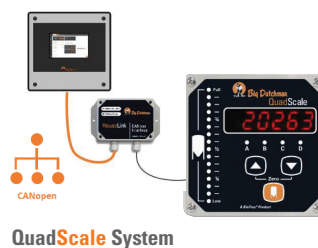
4. Opening Lid



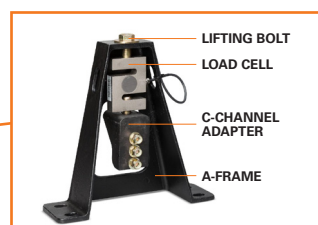
SiloCheck automatically updates the feed consumption and silo levels.

The most important advantages at a glance:

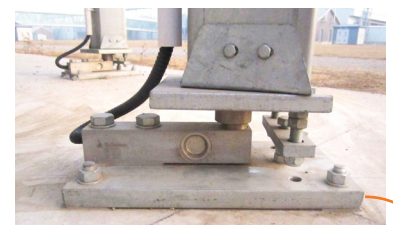
- ✓ Up to 60 silos can be managed;
- ✓ Cable and wireless connections available, maximum communication distance of 1,000 m;
- ✓ Alarm at minimum filling level;
- ✓ Display of the total consumption per silo;
- ✓ Very easy installation and operation.



QuadScale System



QuadScale



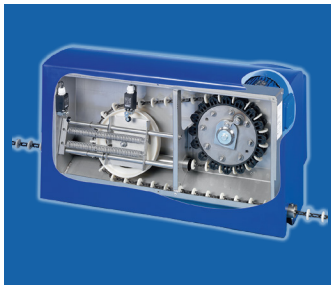
Silo Weighing Bar

Optional Upgrade



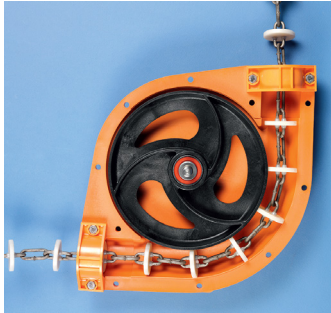
UniScale Weighing Box with Display

2 Feeding System



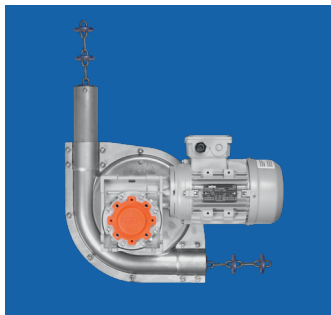
Drive Unit

- ✓ Compact design, can be installed either inside or outside;
- ✓ Stainless steel casing;
- ✓ Drive unit XXL available for longer transport distances;
- ✓ Weather guard for outside installation.



90° Corner

- ✓ The corner housing is available in galvanized, stainless steel, plastic or transparent cover;
- ✓ All corners are corrosion proof and sealed with silicone caulk;
- ✓ Corner wheel made of fiberglass reinforced plastic or cast iron for reduced friction.



Corner Drive DR1500

- ✓ Ideal for sub-circuits;
- ✓ Compact design;
- ✓ Less space required.



Volume Dispenser 6 L



Volume Dispenser Vario 8 L

Volume Dispensers

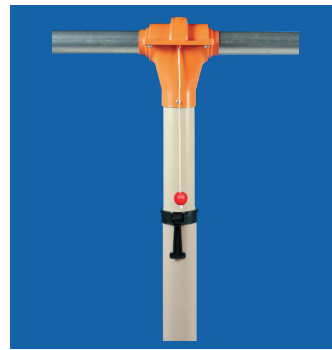
- ✓ Stepless dispensing for individual sow feeding;
- ✓ Transparent hopper with a capacity of 6 or 8 litres;
- ✓ Easy-to-read adjustment markings indicate litres;
- ✓ Large opening makes adding feed additives easy;
- ✓ Clip for data sheets; important information about sow is readily available.

Volume Dispensers BD

- ✓ Min. amount approx. 1 litre;
- ✓ Good price/performance ratio.

Volume Dispensers Vario

- ✓ Closing flap for small amounts (optional) so quantities between 100g and 700g can be dispensed;
- ✓ Lower part of the volume dispenser is easy to open for thorough cleaning;
- ✓ Central and off-set suspension options provide a good overview.



Outlet with shut-off

- ✓ For supply of all types of self feeders;
- ✓ Made of plastic, with shut-off, available in two colors for easy distinction between two feed circuits;
- ✓ Available with rigid or telescopic drop pipes, also available in transparent version.



DryRapid Controller



BD 103 Controller

DryRapid Controller

- ✓ Controls the dry feeding system;
- ✓ Automatic and manual control, overload protection, maximum runtime alarm, feed chain tension protection.

DryRapid Controller BD103 / 105

- ✓ Features the following functions:
 - ✓ control of up to two feed circuits; setting of up to twenty feeding times for each circuit;
 - ✓ silo selection with replacement components;
 - ✓ control of the small quantity dosing device's motor;
 - ✓ direct control of the volume dispensers' release station;
 - ✓ control of lighting.
- ✓ Data can be saved on a USB flash drive;
- ✓ Feed review for up to 15 days; Updates via USB flash drive.



Dry Wet Feeder

DryWet Feeder

Available in two versions and can be used from weaning (6kg) to the final finishing stage; wean-to-finish and as a feeder for finishing only. The pigs are offered two options for feed intake; either dry or wet (with integrated drinker line).

- ✓ Height-adjustable feed table;
- ✓ 2 to 6 feeding places arranged on both sides;
- ✓ Every feeding place is equipped with a drinking nipple which can be accessed from both sides;
- ✓ Entirely made of stainless steel 304;



Box Feeder SST wean-to-finish (WTF)

- ✓ Multi feed level settings available, single-sided or double-sided, nursery, finisher or WTF applicable;
- ✓ Feed trough rim and closed eating partitions reduces feed wastage and eating stress;
- ✓ High quality 304 SST and overall welding ensures a rugged structure and long service life;
- ✓ Various types are available for nursery, finishing or WTF.

3 Feed Transport Flex Vey



We offer the FLEX VEY conveyor systems in a variety of sizes.

- ✓ Extremely flexible spring steel; bends up to 90 degrees;
- ✓ Fast and easy assembly.

TECHNICAL DATA AND PLANNING DETAILS FOR FLEX VEY

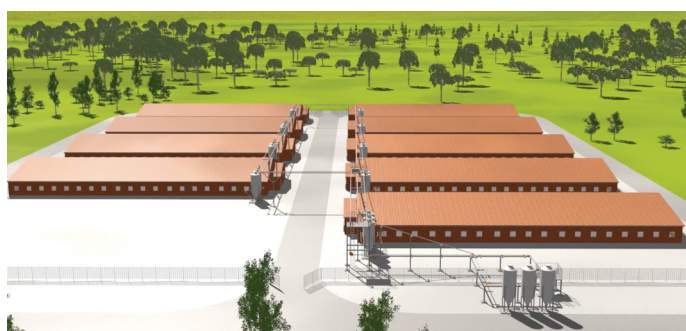
Type	Flex Vey 60	Flex Vey 75	Flex Vey 90	Flex Vey 125
Conveying Capacity Horizontal* (t/h)	0.7	1.4	2.5	4.5
Max Conveying Length (m)	80	60	40	25
Outside Diameter of Spiral (mm)	45	60	70	100

* the conveying capacity decreases by 30% at a pitch of 45 degrees

4 Central Feeding System



Efficient and hygienic food storage and transport: Centralised feed storage promotes hygiene by isolating feed delivery process to minimise biosecurity risk. The isolated silos for receiving feed delivery prevent feed trucks that has traveled to multiple farms from getting too close to the animal housing area. The **DR6500** system is more cost effective and ideal in preventing contamination on the farm potentially caused by feed supplier.



Advantages

- ✓ Increased biosecurity when used with central feeding system;
- ✓ Higher feed quality due to reduced pellet breakage compared to FlexVey and augers;
- ✓ Direct blending of feed during conveying to the target silo with EcoMatic.

5 Electronic Sow Feeding



Big Dutchman's electronic sow feeding system **CallMatic3pro** and **CallBackpro** are the feeding systems for sows in group housing. The systems combine the advantages of animal-friendly housing and a feeding method adapted to the requirements of each individual sow.

Similar to an electronic sow feeding system (ESF), the sows are identified by an RFID ear tag allowing for individual feeding. Computer-controlled feeding allows precise feed supply to be matched to the needs of the sows; which means healthier sows, performance-oriented feeding and best use for the house.

Easy retrofitting of traditional houses plus, 24/7 monitoring with a mobile app.



6 Animal Welfare



ActiWel, a special variable-restraint pen provides ideal conditions for the sow and her piglets in their first weeks of life as well as much room to move about.

The specially designed farrowing frame of the pen is easy to open and close; thus providing easy access for farm workers.

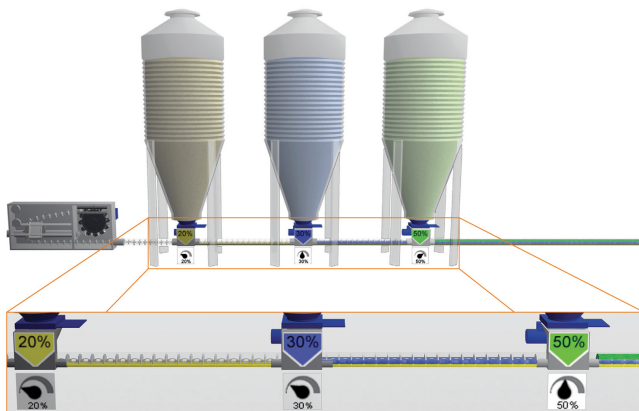


FLB, a newly-developed free movement pen, which complies with animal-welfare standards, provides the sow with ample freedom of movement after farrowing.

Piglets protection bars can be closed to allow farm workers easy access to assist the sow during birthing.

7 Computer Controlled DryFeeding

EcoMaticpro



How EcoMaticpro works

Volume-based dispensing of feed

EcoMaticpro supplies the individual feed components based on volume quantities. Hence, no mixer is required.

The ingredients are mixed inside the transport pipe before the correct ration is supplied to the feed valves.

Weight-based dispensing of feed

The **DryExactpro** system works with a 70-litre capacity weighed batch mixer; making it possible to supply individual feed mix to every valve with a very high mixing quality and accuracy.

DryExactpro



How DryExactpro works with two feed circuits

Advantages of EcoMaticpro + DryExactpro

- ✓ Individual feed mix for each valve;
- ✓ Every feed valve allows multi-phase feeding to feed pigs based on their age and save on feed costs;
- ✓ Can be upgraded to become a sensor feeding system (option); each hopper is equipped with a sensor;
- ✓ Automatic recording of feed consumption per pen or per room;
- ✓ Ad libitum subcircuits as cost-efficient feeding method.



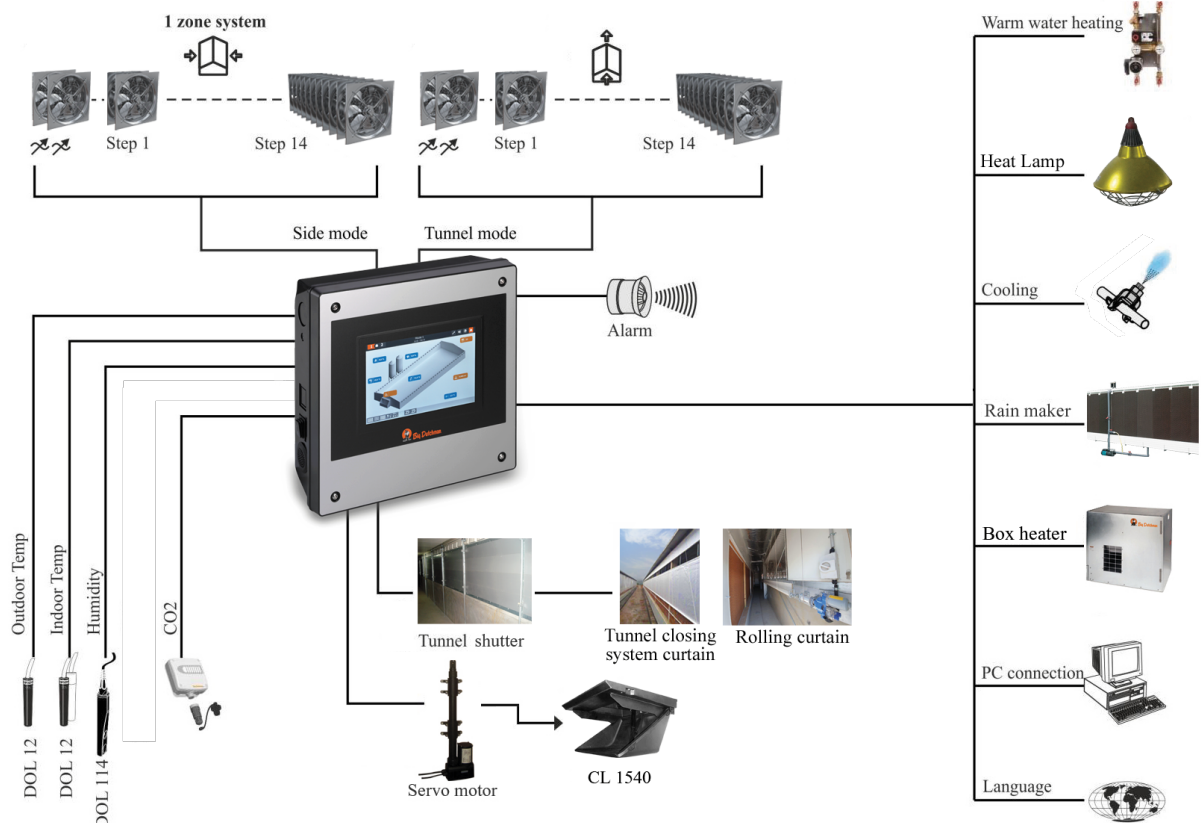
Scan here to watch:
EcoMaticPro



Scan here to watch:
DryExactPro

8 Climate Systems

Controller - 307/310 Pro, Vento III

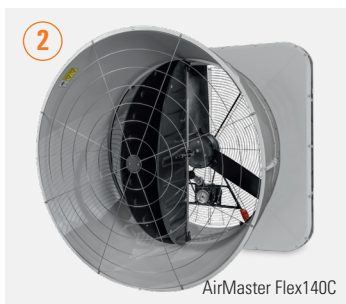


Fans



① AirMaster EVO

- ✓ Optimal corrosion resistance and extreme long service life due to GRP housing;
- ✓ Energy efficient with low noise level.



② AirMaster Flex 140C

- ✓ High quality, optimal corrosion resistance;
- ✓ Low energy consumption.



③ AirMaster Blue 140C

- ✓ Efficient fan that ensures large volume flow and is very resistant to pressure;
- ✓ Low energy requirements due to the Dynamic MultiStep control principle.



④ CL 600 / 820

- ✓ High level control for minimum vent;
- ✓ Emergency opening;
- ✓ Critical for Farrow & Nursery.

Negative Pressure (Pa)	Type	Air Master EVO box fan		Air Master EVO cone fan		AirMaster Flex 140	AirMaster Blue 140C	CL 600	CL 820
		V130-3	V140-3	VC130-3	VC140-3				
0 Pa		44765 / 34.6	49156 / 34.7	48991 / 30.7	53611 / 30.2	53000 / 22.9	65800 / 25.0	12921 / 33.4	21722 / 28.54
20 Pa		41090 / 39.5	44919 / 40.2	45456 / 35.1	49320 / 35.5	48300 / 28.4	61700 / 30.0	12075 / 37.4	20057 / 33.48
30 Pa		39093 / 42.2	42669 / 43.4	43489 / 37.6	47093 / 38.4	45700 / 31.4	59900 / 32.0	11523 / 39.9	19106 / 36.38
40 Pa		36595 / 45.6	40294 / 46.8	41339 / 40.5	44837 / 41.4	43100 / 34.6	57800 / 35.0	10741 / 44.0	18303 / 39.12

Air Performance Rates (m³/h)

Fresh Air Inlets

① CL1211 B/F wall inlet

- ✓ Suitable for thin walls which use materials such as insulated aluminium panel;
- ✓ Cost-effective flange inlet.

② CL1911 wall inlet

- ✓ Larger version of CL-1211 B

③ Single and double ceiling inlets

- ✓ Made of ABS engineering plastic and PVC,

corrosion resistant, anti-aging and free of deformation;

- ✓ Hollow flap and the thermal insulation material around the inlet frame ensure the ceiling inlet has a good insulation effect;
- ✓ High air output with low cost at a competitive price;
- ✓ Assembled for delivery, which guarantees easy installation, maintenance and cleaning.

④ CL1540 ceiling inlets

- ✓ Inlet casing and flap equipped with insulation materials, optimal thermal insulation;
- ✓ The opening mechanism ensures good sealing effect after the inlet is closed, thus air leakage is avoided;
- ✓ Pulling mechanism located inside the inlet, less space required for steel thread installation.
- ✓ Direction control distribution.

Type	CL1211 B/F	CL1911	CL1540	Single ceiling inlet 2220	Single ceiling inlet 3810	Double ceiling inlet 4200	Double ceiling inlet 7300
-10 Pa	1,000	1,750	1,823	1,340	2,300	2,474	4,155
-20 Pa	1,450	2,500	2,635	1,870	3,210	3,455	6,105
-30 Pa	1,700	3,050	3,207	2,525	4,335	4,665	7,993

Air Performance Rates (m³/h)



Rolling Curtains



- ✓ Available as Rolling Up and Rolling Down version;
- ✓ For natural ventilation as well as Cool Pad Curtain.

Heating System



Box Heaters

- ✓ High efficiency, direct-fired design;
- ✓ Versatile indoor and outdoor installation options;
- ✓ Available in natural or propane gas.

Guardian	BTU	KW
250	250,000	73.3
100	100,000	29.3
60	60,000	17.4

RainMaker 2



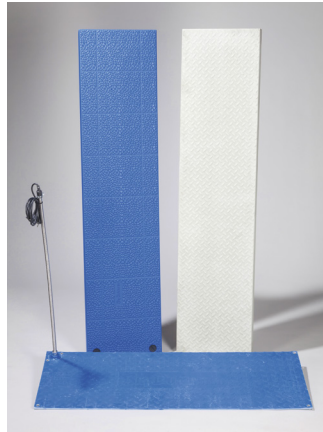
- ✓ Integrated water reservoir, easy installation;
- ✓ Patent protected design of upper frame, sufficient flow and even distribution of water;
- ✓ Open design to facilitate maintenance; no space for nesting of rodents and birds;
- ✓ Long lasting cellulose and plastic pads are available.

9 Penning System

BD Swing-17

Farrowing pen consists of BD Swing crate, high quality flooring and piglet creep zone

- ✓ Intelligent designed BD Swing farrowing crate can be adjusted in length and width, suitable for all sizes of sows;
- ✓ BD Swing with piglets crush-protection also assures comfortable space for sow;
- ✓ High quality plastic slat provides piglets with a hygienic and animal friendly environment;
- ✓ Specially shaped cast iron slat provides stability for sow movements and protection for sow's teats;
- ✓ Heating plates (warm water) provide piglets with a cozy creep zone. Alternative solutions such as infrared heat lamps, electrical heat plates or removable piglet climate covers are also available.



Heating plates ensure ideal temperature in the piglets' resting area.

This includes heating plates:

- ✓ Made of concrete polymer with a well-structured profile, heated by hot water pipes or with electricity;
- ✓ Made of plastic ensuring an even heat distribution.

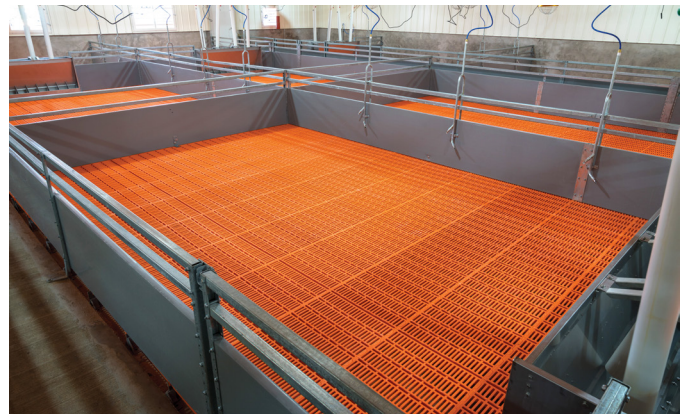
BD Space



Advantages

- ✓ Robust structure partitions with easy access;
- ✓ With or without front door options to meet different layouts;
- ✓ Universal designed BD Space can be easily integrated with different feeding and watering systems;
- ✓ Flexible footplate can be adjusted to meet site conditions;
- ✓ Trough floater provides efficient water supply for pigs and reduces water usage.

PVC Penning for Nursery



Advantages

- ✓ Penning with climate cover system keeps pigs warm and avoid draft;
- ✓ Creates comfortable environment for pigs;
- ✓ Square steel pipe on the top ensures robust structure;
- ✓ Smooth surface of pen partitions makes cleaning easy.

Grid Penning



Horizontal Penning

- ✓ For tunnel ventilation, grid penning is recommended for optimal ventilation;
- ✓ The grid penning system is built using angle iron and solid bars;
- ✓ Available in 0.93m and 1m height as standard.



Vertical Sow / Boar Penning

- ✓ Standard height 1.1m;
- ✓ Customized design.

10 Drinking System



Medicator for piglets & finisher



Adjustable drinker for Wean-to-Finish pigs



Drinking bowl for nursery pigs



Drinking bowl for sows

Medicator and Nipple drinkers / Drinking bowl

The medicator meters the correct amount of vitamins and medicines into the drinking water and compounds metered out can be adjusted accurately. The motor is long lasting and durable as no blockages occur due to non-contact with medication.

- ✓ A wide product range of nipple drinkers and drinking bowls ensure reliable supply of fresh and clean water (for pigs at different ages);
- ✓ Optimized structure design of the drinking bowl guarantees sufficient water supply and minimum water waste;
- ✓ Different types of fixed or height-adjustable drinkers can be selected to satisfy different raising modes and price requirements;
- ✓ The height-adjustable drinkers are recommended for wean-to-finish pigs; optimizing water supply to satisfy piglets to finishers.

11 How to work with BigFarmNet.

1. In the barn

WITH OUR CONTROLLERS

- Control your systems directly in the barn



3. Anywhere you are

WITH THE BigFarmNet APP

- Optimise livestock management
- Confirm alarms
- View current data



2. In the office

WITH BigFarmNet MANAGER PC

- Control, manage and analyse
- Animal-based farm management



4. BigFarmNet Fusion

At the HQ WITH BigFarmNet Fusion

- Multiple farms; all locations at a single click
- Integration with value chain



Please scan the **QR** below
for further information.



Feed Storage &
Transportation



Dry Feeding System



Animal Welfare
(FLB & Actiwel)



Drinking System



ESF (Electronic Sow Feeding;
CallMaticpro&Call-Backpro)



Fans



Combi Tunnel &
Fresh Air



Sow Management
& Floor System



PIG Production
Systems



Big Dutchman®

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