



Big Dutchman®

Broiler

Management Systems



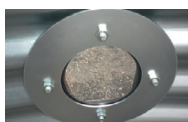
1 Silos The base for hygienic feed storage



1. Rubber cap



2. Plastic head screw



3. Inspection Window



4. Opening Lid



- | ZnAl-coating ~ corrosion resistant.
- | Mechanical and / or pneumatic filling systems.
- | Day silo from 2.67 ton (4.1m³) to 38.25 ton (51.00m³).

TECHNICAL DATA

A Diameter		B No. of rings	No. of legs	C Total height	Volume	Total feed weight
(m)	(feet)			(m)	(m ³)	(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
		5		8.07	32.20	20.93
		6		8.95	37.40	24.31
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

SILO WEIGHING

QuadScale

- | Can manage up to 04 silos
- | Easy installation and operation
- | Crane-less retrofitting: installation without lifting the silos



2 Feed Transport FlexVey



We offer the FlexVey 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 FLEXVEY

Type	FlexVey 75	FlexVey 90	FlexVey 90HS
Conveying Capacity Horizontal* (t/h)	1.4	2.5	4
Max Conveying Length (m)	60	40	40
Outside Diameter of Spiral (mm)	60	70	70

* the conveying capacity decreases by 30 % at a pitch of 45 degrees •• speed of conveying system is 760 rpm

3 Feeding System For modern poultry management



FLUXX 330 & 360

There are different models of FLUXX available to provide the right feed pan for every producer :

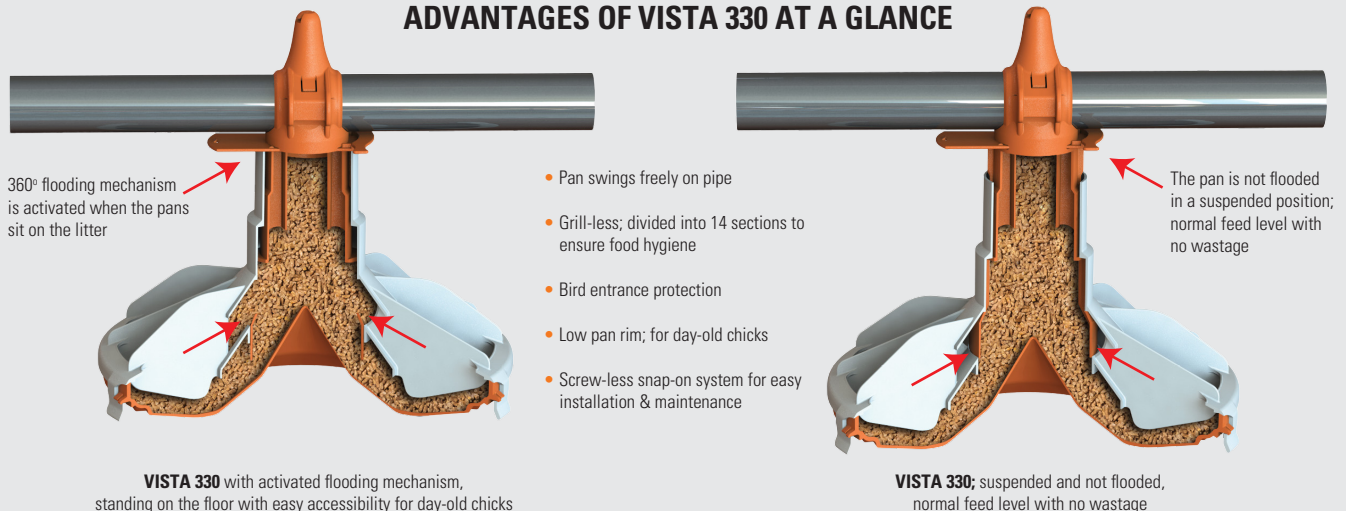
- | With a diameter of 330 or 360mm;
- | FLUXX 330 with 5-arm or 14-arm grill;
- | FLUXX 360 with 8-arm or 16-arm grill;
- | With deep dish or corrugated bottom;
- | With or without shut-off;
- | Optional overflowing feature.



VISTA 330

- | Grill-less feed pan;
- | With 360° flooding mechanism enhanced with iDOL29 sensor;
- | With screw-less, easy snap on design;
- | Easy and thorough cleaning;
- | With 330mm diameter & extra low rim height.

ADVANTAGES OF VISTA 330 AT A GLANCE



iDOL29:

The illuminated feed sensor for control pans

The smart iDOL 29 feed sensor registers the feed level in the control pan. The illuminated control pan ensures birds always empty this pan first, guaranteeing a new supply of fresh feed along the entire Augermatic line. Sensor settings can be easily configured using an app on your smartphone.

- Available for FLUXX 330 & VISTA 330
- IP69K



4 Drinking System



Big Dutchman offers a wide range of drinking systems for broilers depending on the field of use, type of birds and individual house requirements.

The 360° top nipple is ideal for growing poultry up to a live weight of approx. 5kg. It also provides sufficient water supply for heavier birds.

Automatic Flushing System

With the **Automatic Flushing System (AFS)**, the drinking system will be rinsed automatically to prevent build-up of slimy biofilm. With a quick and easy installation, the AFS can be retrofitted to existing system.

Sonic Cleaning is an ultrasound system which prevents the formation of biofilm in water supply. It has a very low energy consumption and is suitable for all water & nutrient transportation lines.



360° Top Nipple Orange

Automatic Flushing System



Sonic Clean

Water Connection Unit for Poultry Houses

The water connection unit is installed between the main water supply and the house water line. Consists of filter, ball valve, water meter, bypass medicator and pressure reducer.

- | Compact design = problem-free installation even in small rooms.
- | Easy assembly and extension = all parts are screwed together.

- Filter with manometer to avoid blockage at the nipples.
- Valve for separate drawing off of water.
- Electronic water meter for connection to a controller.
- Mediator.
- Pressure reducer with filter and ball valve.
- Bypass with three ball valves - for connection of a medicator.



5 Slats Plastic flooring

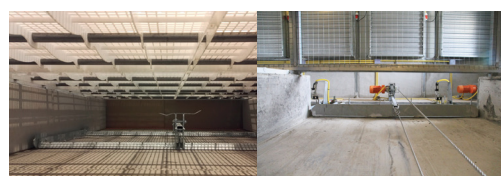
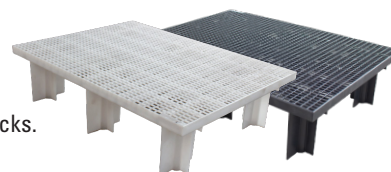
The plastic slat especially developed by Big Dutchman has the following advantages:

- | Quick and easy assembly
- | No sharp edges or corners = no danger of injury / no chest bruises.
- | Very small surface, similar to wire flooring = optimal manure penetration / suitable for day-old chicks.
- | No contact surface between the slats = prevention of hotbeds for mites and other vermin / simple and thorough cleaning.

Manure removal scraper; **StepByStep**, specially designed for growing broilers on plastic flooring. A drive unit moves the scraper back and forth along the rows; step-by-step; the perfect solution for fly prevention in slatted houses.

Optional: SlatWasher

An automatic washer for effective and consistent cleaning of slats.



6 Ventilation Ensuring the best possible fresh air supply for your poultry house

WALL INLETS

CL 1200/1911 Multi-purpose Wall Inlet

- | Designed to be embedded in thick wall structures.
- | Consists of shock-proof & UV stabilised plastic which can be easily cleaned.

Air Performance Rates (m³/h)

Type	10Pa	20Pa	30Pa	40Pa
CL 1200	1000	1450	1700	2000
CL 1911	1750	2500	3050	3550

FAN

AirMaster EVO

- | Proven Performance.
- | Energy Efficiency; with inverter technology.
- | Variable Speed; optimised climate control.

- | Savings of up to 70%.
- | Stable performance.



Air rate in m³ / h (output watt / 1000m³ / h)

Type	0 Pa	20 Pa	30 Pa	40 Pa	60 Pa	70 Pa	Current consumption (ampere)
V130-3 EVO 1.5HP	44765 (34.6)	41090 (39.5)	39093 (42.2)	36595 (45.6)	30497 (54.9)	27114 (61.5)	2.5
VC130-3 EVO 1.5HP	48991 (30.7)	45456 (35.1)	43489 (37.6)	41339 (40.5)	36723 (46.9)	33891 (50.9)	2.8
V130-3 1.5HP	43690(36.7)	39675(42.1)	37404(45.2)	34724(48.9)	28525(59)	24795(66.9)	2.9
VC130-3 1.5HP	47700(34.3)	43800(38.8)	41600(41.6)	39200(44.6)	34300(51.8)	31040(57.4)	2.9

RAINMAKER

The ideal cooling system for poultry houses in hot climates. RainMaker is a cooling pad system developed by Big Dutchman featuring an innovative frame; comes in a choice of paper or plastic pads.



Water reservoir and centrifugal pump

- | Excess water collected at the reservoir is re-used.
- | Water reservoir is large enough so no additional water tank is needed.
- | Special perforation enables back flow of excess water and prevents rodents.



The innovative frame system with top profile

- | The top-profile is the complete upper part of the frame designed as an open system
- | A special deflector ensures that water is evenly spread along the pads.
- | The deflector is snapped into the pre-mounted wall brackets to allow for a simple assembly.



Cooling Pad Washer

The machine cleans cooling pads efficiently and effectively.

VIPER TOUCH ViperTouch is an all-in-one precision farming computer for your broiler climate and production system. It continuously measure, observe and response to the environment for providing your birds exactly what they need to gain optimum health and productivity.

- | Simple operation using large 10 inch touch screen with 32 languages support.
- | Flexible in supporting wide variety of setup and equipment in different environment.
- | Real-time recording of all important measurements.
- | Monitor real-time and alarm you of changes for swift corrective actions.
- | Easy complete overview of animal conditions and production results.



BigFarmNet Fusion (BFN Fusion)

BFN Fusion is a game-changing cloud-based farming platform for maximizing efficiency on your farms. It bundles all data generated by your farms and adds value to your production. Using cloud computing and big data technology together to manage farms more efficiently and productively.

- | Eliminates human error and reduce staff workload.
- | Early identification of production risk.
- | Lower costs, increase efficiency, achieve predictable success.
- | Multiple farms; all locations at a single click from anytime anywhere.
- | Full control and maximum security at all times.
- | Integration with your entire value chain.

Viper Touch as a Production Computer



ALARMS

Alarm Unit AC-3-TA

- | Controls up to 2 alarm lines.
- | Min-Max Thermostat Integrated.
- | Siren Alarm and revolving light.
- | Maintenance free and long lasting battery.

Alarm Unit AC Touch

- | 1 main station can connect up to 9 substations.
- | Available with SMS, GSM and land line call services.
- | Finger print scanner to prevent unauthorized access.



7 Heating System Optimal temperatures at a high energy efficiency

Box Heaters

- | High efficiency, direct-fi red design.
- | Heat output 250,000 Btu/h.
- | Hot surface ignition.
- | Versatile indoor and outdoor installation options.



Circulation Fan - 4E45 Fan

- | High air flow rate.
- | Smaller size; suitable for narrow aisles.
- | Optimised motor suspension for smooth operation.
- | Optimised housing design for improved air flow.



Gas Brooders

- | Suitable for brooding areas that require intensive heat for a defined amount of time.
- | Works with natural or propane gas.



JetMaster

- | Heaters with 100 % heat output.
- | Available for operation with natural gas, propane or fuel oil.
- | Controlled by thermostat.
- | Flame-proof.



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