



Big Dutchman®



Silos and augers

Feed storage and transport systems

Silos – the base for hygienic feed storage

Big Dutchman offers you high quality silos for inside and outside use along with all the accessories you need for hygienic feed storage. This includes:

- ✓ silos made of galvanized sheet steel

- ✓ silos made of glass-fiber reinforced plastic (GRP)

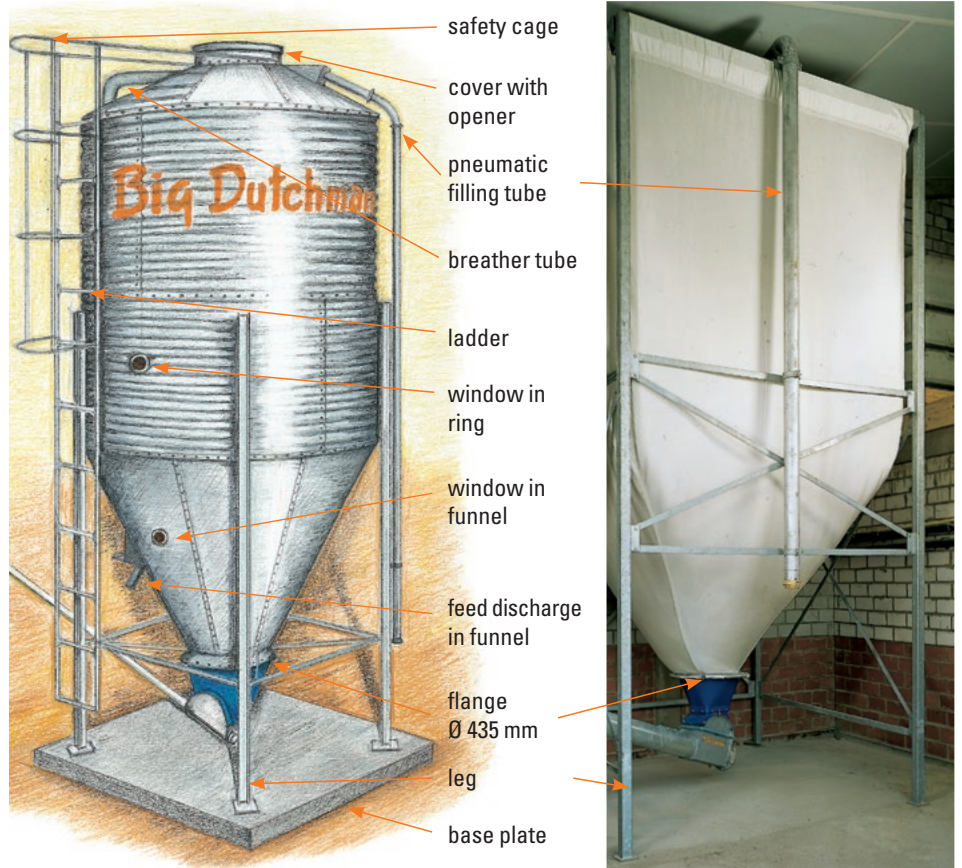
- ✓ inside silos made of Trevira fabric.

You can choose the right silo of the appropriate size out of a wide range of

products. All systems can be filled pneumatically or by auger. The respective silo size depends on daily feed consumption and required storage time.

Advantages

- ✓ high-quality zinc-aluminium coating of all steel parts and use of glass-fiber reinforced plastic for improved corrosion protection and a long service life;
- ✓ trouble-free feed withdrawal due to optimum degree of slope in the silo funnel;
- ✓ auger box either rigid or flexible, adjustable from 0 to 45° – ensures operational safety;
- ✓ roof shape ensures use of the entire volume;
- ✓ the use of GRP silos allows simple checking of feed level due to the transparency of the material;
- ✓ high functional reliability.



Examples for transporting feed from the silo to the house via spirals, augers and chain



Flex Vey



Tandem auger and forced transfer



Vertical and cross chain

Augers and Flex Vey for feed transport

With Big Dutchman feed conveying systems, your feed – be it meal, pellets or crumbs – passes from the silo into the house safely and without any loss of quality. We offer augers and Flex Vey conveyor systems in a variety of sizes. For conveying capacities up to 4.5 t/h, the Flex Vey (spiral) is normally used.

For even higher capacities or pitches up to 75°, an auger is the ideal option. In exceptional circumstances, even pitches up to 90° can be carried out (max. length of auger 10 m).

Which system is the right one for you depends on your individual requirements.



Flex Vey conveyor spirals – simple and flexible conveying systems



Flex Vey conveyor spirals – simple and flexible conveying systems

- ✓ our Flex Vey conveyor spiral consists of high-quality and extremely flexible spring steel;
- ✓ the feed can be transported into the house around bends of up to 90° safely, quickly and without feed separation;
- ✓ universal application for each type of house;
- ✓ for high conveying capacities;
- ✓ fast and easy assembly;
- ✓ can be driven by means of a V-belt motor or a gear motor.

conveyors



conveying augers



Flex Vey tandem system for two silos



Conveyor chain (DR 850/DR 1500)

Technical data and planning details for silos

Silos made of galvanized sheet steel

| Type | Code No. | Overall height (m) | Volume (m ³) | Ø of the silo (m) |
|-----------|------------|--------------------|--------------------------|-------------------|
| BD-P* | 25-17-9410 | 3.5 | 4.1 | 1.80 |
| BD-P* | 25-17-9420 | 4.4 | 6.3 | 1.80 |
| BD-P* | 25-17-9430 | 5.3 | 8.6 | 1.80 |
| BD-P* | 25-17-9520 | 5.7 | 9.2 | 2.10 |
| BD-P* | 25-17-9530 | 6.5 | 12.3 | 2.10 |
| BD-P* | 25-17-9540 | 7.5 | 15.4 | 2.10 |
| BD-P* | 25-17-9620 | 5.6 | 16.6 | 2.75 |
| BD-P* | 25-17-9630 | 6.3 | 21.8 | 2.75 |
| BD-P* | 25-17-9640 | 7.0 | 27.0 | 2.75 |
| BD-P-EU** | 25-18-2010 | 3.5 | 4.1 | 1.80 |
| BD-P-EU** | 25-18-2020 | 4.4 | 6.3 | 1.80 |
| BD-P-EU** | 25-18-2030 | 5.3 | 8.6 | 1.80 |
| BD-P-EU** | 25-18-2120 | 4.7 | 9.2 | 2.10 |
| BD-P-EU** | 25-18-2130 | 5.6 | 12.3 | 2.10 |
| BD-P-EU** | 25-18-2140 | 6.5 | 15.4 | 2.10 |
| BD-P-EU** | 25-18-2220 | 5.5 | 16.6 | 2.75 |
| BD-P-EU** | 25-18-2230 | 6.3 | 21.8 | 2.75 |
| BD-P-EU** | 25-18-2240 | 7.2 | 27.0 | 2.75 |

* without EU structural standards ** with EU structural standards – more silo types available on request – silos, not assembled, also available with mechanic filling (BD-M)

Silos made of glass-fiber reinforced plastic

GRP silos are only offered fully fitted incl. filling and breather tube. They are available for holding from 4 to 60 m³ contents, with a height of 3.85 to 13.07 m in a great variety of types. They are corrosion-resistant and weatherproof as well as virtually maintenance-free.

Inside silos made of Trevira fabric

Inside silos consist of a Trevira bag and a steel stand. The silo bag with a 400 mm outlet has a sewn-on collar for connection to an auger box. These inside silos are available with volumes of 5.15 to 20.95 m³.

| Type | Code No. | Overall height (m) | Volume (m ³) |
|------|------------|--------------------|--------------------------|
| GS-1 | 25-30-3206 | 3.05 | 5.15 |
| GS-A | 25-30-3207 | 3.30 | 6.15 |
| GS-B | 25-30-3209 | 3.80 | 8.15 |
| GS-C | 25-30-3211 | 4.30 | 10.15 |
| GS-D | 25-30-3214 | 4.80 | 12.95 |
| GS-E | 25-30-3217 | 5.30 | 15.95 |
| GS-F | 25-30-3220 | 5.80 | 18.95 |
| GS-G | 25-30-3222 | 6.30 | 20.95 |

Note: The average weight of feed amounts to 0.65 t/m³
Example: 8.4 m³ silo x 0.65 t/m³ = 5.5 t feed

Technical data and planning details for augers

| Type | S102 | S150 | K150 | TS200 |
|--------------------------------------|-----------------|-----------------|-------------------|-------------------|
| Conveying capacity horizontal* (t/h) | 4.3 | 19 | 17 | 26 |
| Max. conveying length (m) | 12 | 12 | 30 | 25 |
| V-belt motor ** (kW) | 0.75-2.2 | 1.1-3 | 1.5-5.5 | 2.2-5.5 |
| Motor speed (rpm) | 400 | 400 | 400 | 150 |
| Outside diameter of tube (mm) | 102 | 152 | _ *** | _ *** |
| Material | galvanized tube | galvanized tube | galvanized trough | galvanized trough |
| Wall thickness (mm) | 1.5 | 2 | 2 | 2 |

* with a bulk density of 0.65 t/m³ of the material to be conveyed; the conveying capacity decreases by approx. 30 % at a pitch of 45°

** gear motor also available on request; specifications for TS 200 for gear motor

*** open trough, also available with galvanized cover on request

Technical data and planning details for Flex Vey

| Type | Flex Vey 75 | Flex Vey 90 | Flex Vey 125 |
|--------------------------------------|-------------|-------------|--------------|
| Conveying capacity horizontal* (t/h) | 1.4 | 2.5 | 4.5 |
| Max. conveying length (m) | 60 | 40 | 25 |
| Gear motor 370 rpm (kW) | 0.55/0.75 | 0.75/1.1 | 1.5 |
| V-belt motor 400 rpm (kW) | 0.75 | 0.75 | 1.1 |
| Outside diameter of tube (mm) | 75 | 90 | 125 |
| Material/wall thickness (mm) | PVC **/ 4 | PVC **/ 4.3 | PVC / 5 |
| Tube bend radius - 45°/90° (mm) | 1540 | 1570 | 2750 |
| Outside diameter of spiral (mm) | 60 | 70 | 100 |
| Pitch of spiral (mm) | 60 *** | 65 | 70 |

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

*** 40 mm also available on request

** galvanized tube also available on request



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