



Tetra Pak® Screw Conveyor ET

Mechanical conveying and dosing of powder



Highlights

- Accurate dosing
- Possible to incline
- Heavy duty execution
- High outflow rate
- Customizable inlets and outlets
- Pressurized bearings
- Easy installation and dismantling
- Atex compliance

Application

Tetra Pak® Screw Conveyor ET is specifically designed to convey and/or dose any type of granulated or powder components over short distances.

Depending on the application, the inlets and outlets can be customized. The pressurized bearing concept ensures that no powder can enter the bearings.

The conveyor can easily be installed and dismantled thanks to the quick-coupling shaft design. The fully stainless steel sanitary design is suitable for the food, plastic and chemical industries for products with MIE > 3mJ.

Working principle

Tetra Pak Screw Conveyor ET is fed by gravity (below hopper, dumping station, etc). An inclination up to 30° is possible. The product is transferred from the inlet to the outlet of the tube by an Archimedes screw. This heavy-duty screw (internal shaft) is driven by a direct-coupled gear motor. For dosing applications, the gear motor can be connected to a frequency inverter in order to adjust the speed for fine dosing.

The screw pitch is specifically designed to both regulate the flow and avoid product compression. The outflow capacity is up to 53 m³/h.

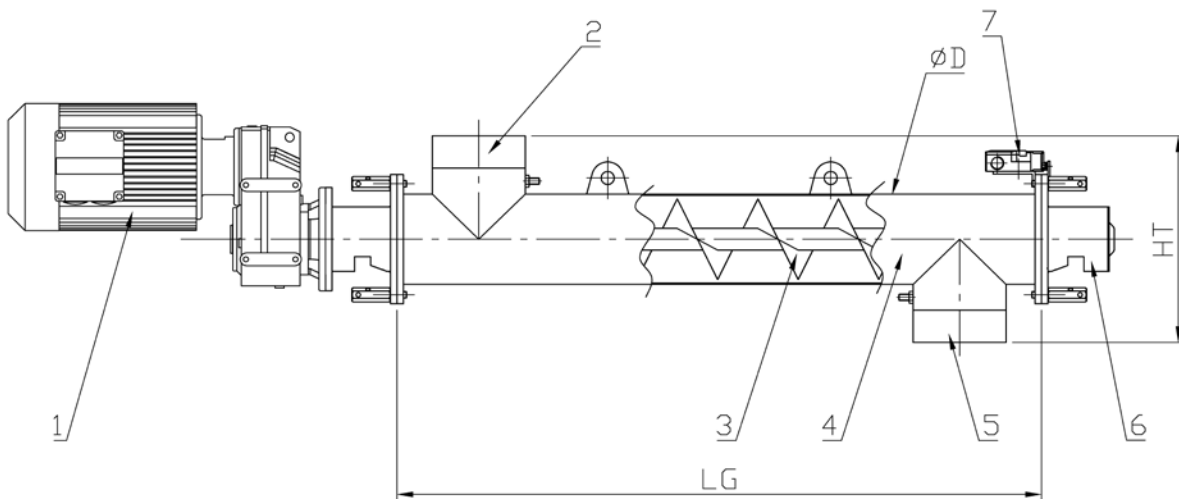
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Standard scope of supply

1. Gear motor
2. Product inlet
3. Archimedes screw
4. Screw tube
5. Product outlet
6. Pressured stainless steel bearing
7. Flange safety sensor

Options

- Gear motor with integrated frequency inverter
- Anti-jamming sensor
- Supporting frame
- Gear motor on rail for full tube cleaning



Dimensions and capacities

Type	Ø Thread	Length	Height	ØD inlet/outlet	Minimum horizontal outflow	Maximum horizontal outflow
ET081	80 mm	3400 mm	300 mm	129 mm	0.2 m ³ /h	3 m ³ /h
ET121	125 mm	2625 mm	320 mm	154 mm	2 m ³ /h	9 m ³ /h
ET151	150 mm	3600 mm	360 mm	204 mm	3 m ³ /h	13 m ³ /h
ET181	180 mm	3900 mm	420 mm	254 mm	5 m ³ /h	19 m ³ /h
ET251	250 mm	4150 mm	460 mm	304 mm	9 m ³ /h	36 m ³ /h
ET301	300 mm	3985 mm	520 mm	354 mm	15 m ³ /h	53 m ³ /h