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

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.

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.
Tetra Pak® Screw Conveyor ET

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Ø Thread</th>
<th>Length</th>
<th>Height</th>
<th>ØD inlet/outlet</th>
<th>Minimum horizontal outflow</th>
<th>Maximum horizontal outflow</th>
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<tbody>
<tr>
<td>ET081</td>
<td>80 mm</td>
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<td>300 mm</td>
<td>129 mm</td>
<td>0.2 m³/h</td>
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<td>15 m³/h</td>
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