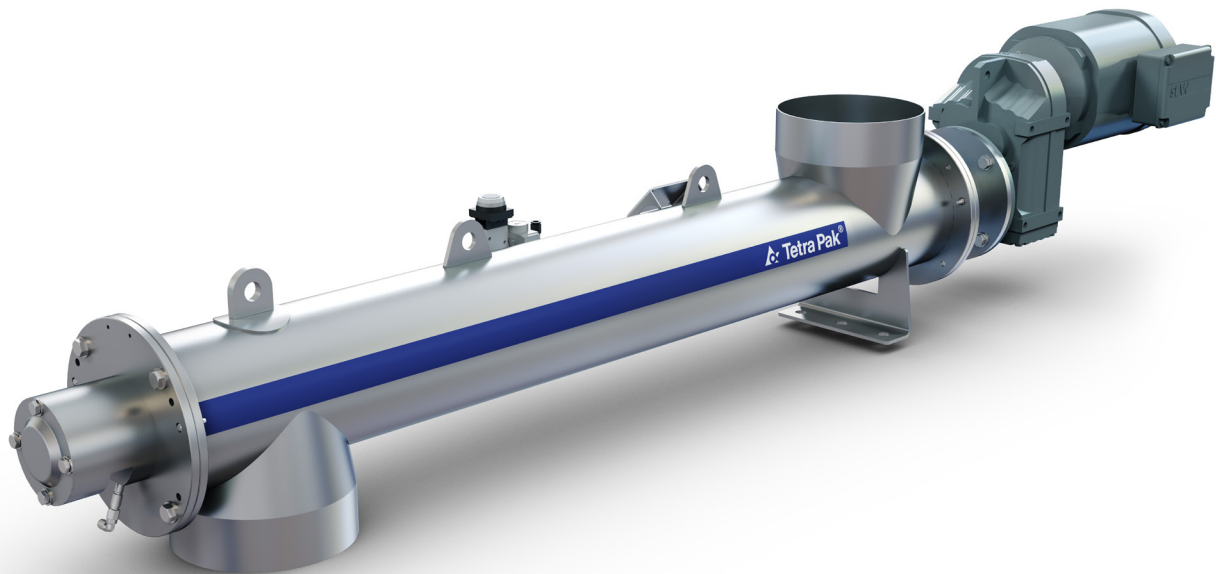




# TETRA PAK® SCREW CONVEYOR HD ET

Mechanical conveying and dosing of powder



## APPLICATION

Tetra Pak® Screw Conveyor HD ET is specifically designed to convey and/or dose any type of granulated or powder components over short distances (max. 4 m).

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

The full stainless steel design is suitable for dry products in the food industries.

## HIGHLIGHTS

- Accurate dosing
- Possible to incline
- Heavy duty execution
- High outflow rate
- Customizable inlets and outlets
- Pressurized bearings
- Gap between motor & bearings
- Dosing speed adjustment
- EC & Atex compliance

## WORKING PRINCIPLE

Tetra Pak® Screw Conveyor HD ET is fed by gravity (below hopper, tipping station, etc). An inclination up to 30° is possible to save layout space. 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. The gap between the motor and the bearings ensure there is no oil contamination inside the screw.

For dosing applications – from 25g to 4 kg, the gear motor can be connected to a frequency inverter – from 10 to 70 Hz – 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 m<sup>3</sup>/h.

## MAIN COMPONENTS

- Gear motor – IE3
- Product inlet
- Archimedes screw
- Screw tube
- Product outlet
- Pressured stainless-steel bearing

## OPTIONS

- Gear motor with integrated frequency inverter
- Gear motor with conical shape for space saving
- Supporting frame

## PERFORMANCES

Model	Minimum horizontal capacity		Maximum horizontal capacity	
	Flowrate	Dosing accuracy	Flowrate	Dosing accuracy
HD ET081	0.2 m <sup>3</sup> /h	0.05 L	3.5 m <sup>3</sup> /h	0.2 L
HD ET121	1 m <sup>3</sup> /h	0.15 L	8 m <sup>3</sup> /h	0.4 L
HD ET151	1.5 m <sup>3</sup> /h	0.25 L	12 m <sup>3</sup> /h	0.6 L
HD ET181	3 m <sup>3</sup> /h	0.45 L	18 m <sup>3</sup> /h	0.9 L
HD ET251	9 m <sup>3</sup> /h	1.6 L	32 m <sup>3</sup> /h	1.6 L
HD ET301	15 m <sup>3</sup> /h	3 L	53 m <sup>3</sup> /h	3 L

## DIMENSIONS

Model	ØA Thread	ØB Inlet/Outlet	C Max. Length	D Height
HD ET081	80 mm	129 mm	3 400 mm	270 mm
HD ET121	125 mm	154 mm	2 625 mm	300 mm
HD ET151	150 mm	204 mm	3 600 mm	330 mm
HD ET181	180 mm	254 mm	3 900 mm	400 mm
HD ET251	250 mm	304 mm	4 150 mm	520 mm
HD ET301	300 mm	354 mm	3 985 mm	600 mm

## LAYOUT

