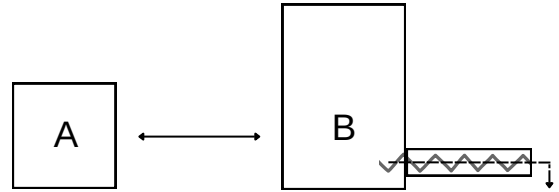# Twin Screw Feeder with Agitation

Typical application of AT70:

A. Motor Control
B. Single Screw Feeder

Description

Orbetron's volumetric twin screw feeder AT70 is ideally suited for dosing powders, granulates, regrinds, fibers, and flakes in continuous and batching process.

Orbetron's feeder has a compact modular design that gives the operator the flexibility to meet changing process requirements. Volumetric feed rates range from 2 to 285 cubic feet per hour. The horizontal agitator constantly keeps material in motion, thus eliminating bridging and maintaining consistent screw fill. All material contact surfaces are manufactured from corrosion-resistant stainless steel. All material contact surfaces are manufactured from corrosion-resistant stainless steel.
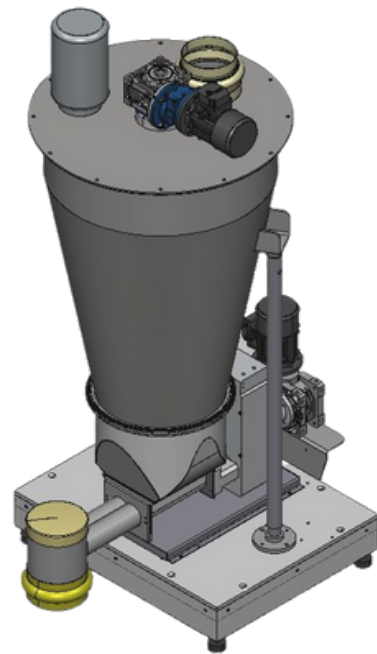
Dosing Performance

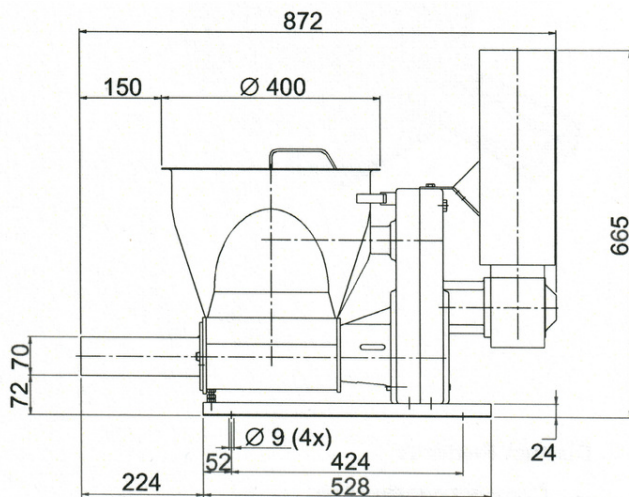| Screw Type	C Double Concave	
Gear Reducer	Speed (rpm)	Ø 50 x 60 dm³/h	Ø 60 x 80 dm³/h
7:1	8 – 617	100 – 7000	200 – 8000
15:1	4 – 288	50 – 3300	100 – 3250

Design

- Compact feeder and gearbox design
- High modularity for easy dismantling and cleaning
- Horizontal material outlet discharge
- Tool-free change of the feeder screw
- Applicable for twin screw, auger, and concave screws
- All material contact metals are stainless steel 1.4404(ASI316L)
- Mechanical gearbox with lifetime lubrication
- 750 W DC motor (3000 rpm) withspeed control in protection class IP 54or up to 2,2 kW AC motor
- Operating and material temperature-20..60°C
- Gearboxes in the sizes of 15:1, 28:1, STD
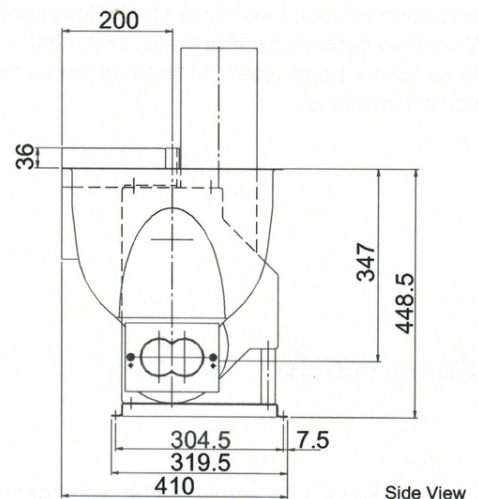- Weight without accessories 75 kg
- Color outside light grey

Options

- *Gravimetric and volumetric controls*
- *Hopper extension modules, and special hoppers available on request*
- *Removable vertical outlet tube*
- *Counterbearing for very poor flowing or heavy*
- *materials*
- *Different color on request*
- *FDA certification: FDA CFR 21 #178.3570*
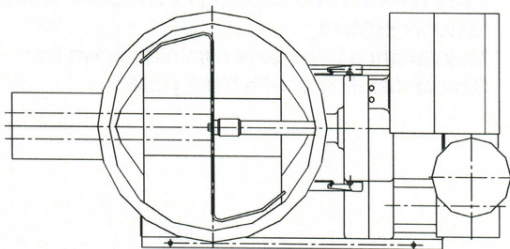- *ATEX Zone inside 3D T140°C, 2D T140°C,*
- *2D T140°C/2G T4, 1D T140°C/2G T4*

Drawings

Front View

Side View

Top View