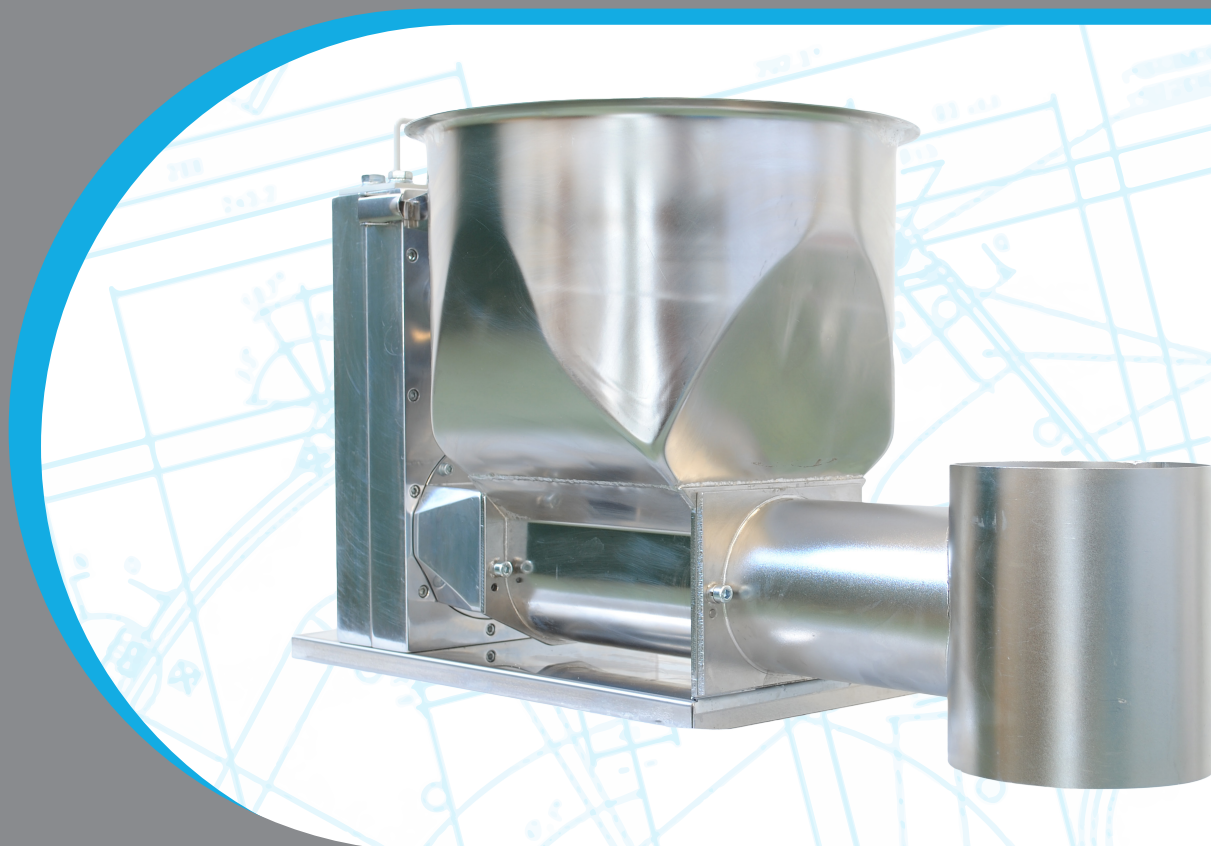


GRAVIMETRIC FEEDER

AS130-AT70



DESCRIPTION

DESIGN

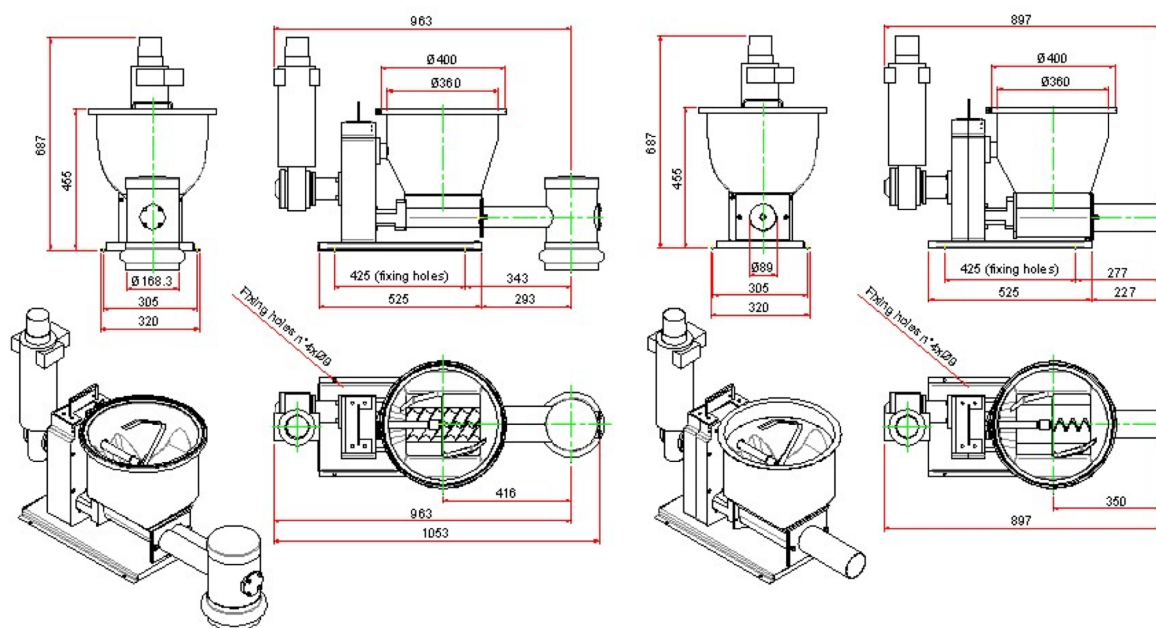
CT Systems's AS130, AT70 gravimetric feeder is ideally suited for dosing powders, pellets, granulates, regrinds, fibers, and flakes in continuous and batching processes. The compact modular design gives the operator the flexibility to meet changing process requirements. Volumetric feed rates range (AS130) 200 - 26129 l/h. – (AT70) 80 - 8244 l/h. 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. CT Systems's gravimetric/volumetric controller offers the operator full access to all feeder parameters through an icon driven control interface.

- Compact feeder and gear box design
- High modularity for easy dismantling and cleaning
- Horizontal material outlet discharge
- Tool free change of the feeder screw
- Applicable for single spiral and auger screws
- All metal parts which are in material contact are in stainless steel 1.4404 (AS1316L)
- Mechanical gear box with lifetime lubrication
- 750 W DC motor (3000 rpm) with speed control in protection class IP 54 or up to 2,2 kW AC motor
- Operating and material temperature -20..60°C
- Gear boxes in the sizes of 15:1, 28:1
- Weight without accessories 75 kg
- Color outside light grey RAL7035

The unit conforms to  directives.

DRAWING

All dimensions are in mm.
These dimensions are only guideline values.
Please ask for a technical drawing for binding measurements.



The feeder can be mounted on weighing module or on a platform scale.
It is suitable for continuous or batch processes.

OPTIONS

- Gravimetric and volumetric controls
- Hopper extension modules, special hoppers are on request available
- Removable vertical outlet tube with the size of 4"
- Counter bearing for very poor flowing or heavy materials
- All sealing which are in material contact in silicon free style
- DC motor : 750W - 220Vdc - 3000RPM - IP54
- AC motor : 750W - 220Vdc/50Hz - 1410RPM - IP54
- Different color on request
- FDA certification according FDA CFR 21 #178.3570
- ATEX Zone inside 3D T140°C, 2D T140°C, 2D T140°C/2G T4, 1D T140°C/2G T4

APPLICATION

- Volumetric continuous or batch
- Gravimetric loss-in-weight continuous
- Gravimetric loss-in-weight batch
- Gravimetric gain-in-weight

The use of the different load cells and control versions are described on separate technical data sheets.

PERFORMANCE TABLE	SCREW TYPE					
			AUGER SCREW	SPIRAL SCREW	TWIN CONCAVE PROFILE	TWIN AUGER SCREW
	GEAR	SPEED RPM/MIN	I/h	I/h	I/h	I/h
	15:1	24 - 456	365 - 26129	604 - 11473	135 - 5586	178 - 8244
	28:1	13 - 244	198 - 13981	327 - 6139	73 - 2989	96 - 4412

The AS130-AT170 can cover a throughput range from 96 to 26129 I/h., measured on free flowing granules with a bulk density of 0.6kg/l.
The shown throughput datas are indicative values subject to individual testing.



Headquarters and factory

Via Postumia, snc - 15057 Tortona (AL)
Tel.: +39 0131 866105 - Fax: +39 0131 863581
E-mail: info@ctsystems.it