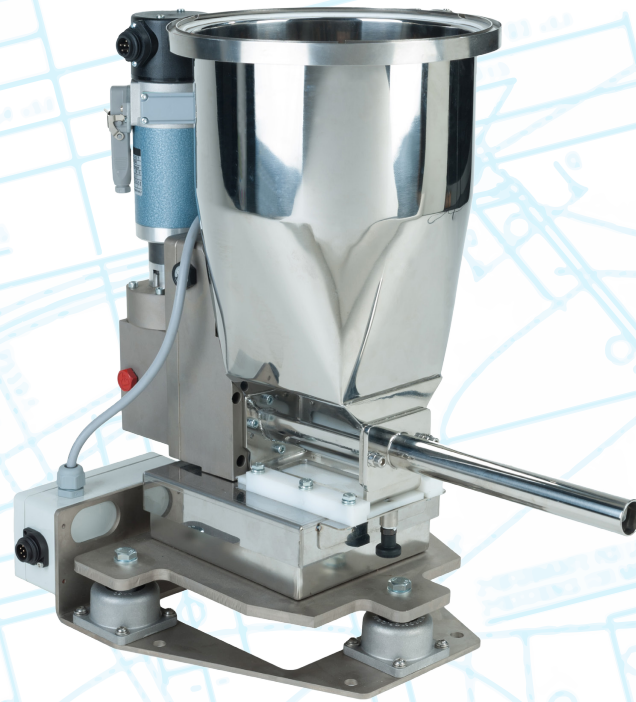


GRAVIMETRIC FEEDER LABLINE

AS25-AT16



DESCRIPTION

DESIGN

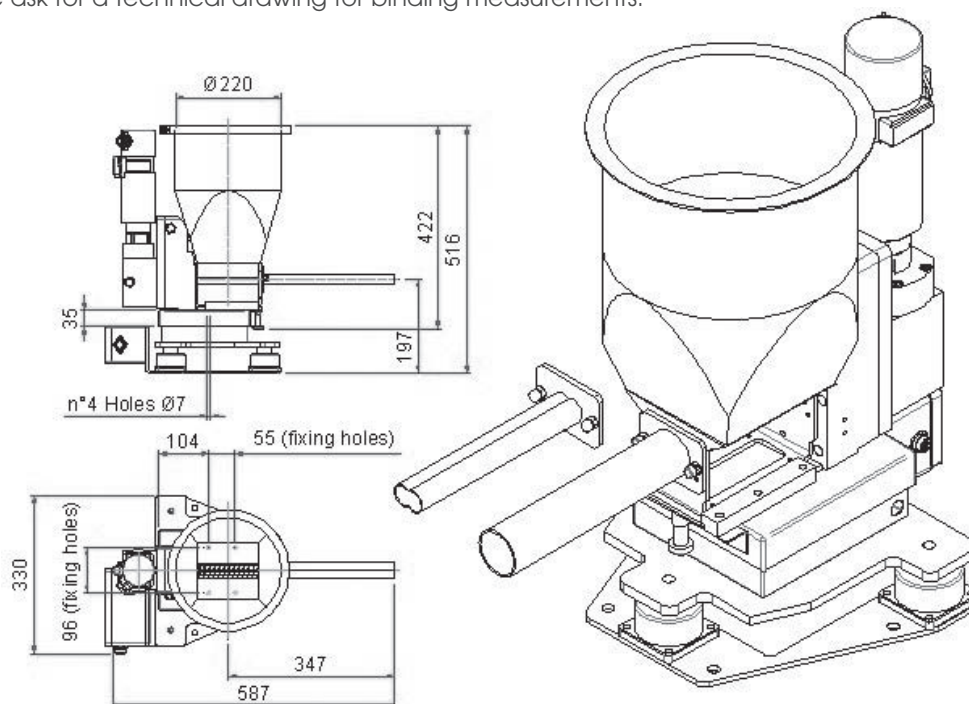
CT Systems's AS25, AT16 feeders are specifically designed to feed free flowing products as well as poor flowing powders at very low rates. The removable feed hopper makes it ideal for applications that require quick material changes. To make a material change, just remove the existing hopper and replace it with a new clean hopper. The removable feed hopper can also be used as a storage container, completely eliminating cleaning and the possibility of product contamination. These include a single screw hopper to feed free-flowing products, twin screw with horizontal agitator to feed the most difficult products.

The feeder can be easily integrated with gravimetric or volumetric controls, as well as installed separately or in a production line with multiple feeding devices.

- 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 AISI304 or AISI316L
 - Mechanical gear box with lifetime lubrication 370W DC motor with speed control in protection class IP 54
 - Operating and material temperature -20..60°C
 - Gear boxes in the sizes of 6:1/36:1
 - Weight without accessories: Volumetric 6 kg Gravimetric 13 kg Exchange hopper 9 kg
 - Color outside light grey RAL7035
- The unit conforms to **CE** 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
- 106W - 220Vdc - 3200RPM - IP54

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				AS25
	GEAR	SPEED	D 12x5	D 17x17	D 20x15	D 15x11	D 20x11	D 30x16	D 30x32	
		1/min	l/h	l/h	l/h	l/h	l/h	l/h	l/h	
	6:1	12-500	0,15-6	1,5-45	4-78	4-67	7-125	2,88-100	7,08-190	
	36:1	2-83	0,025-1	0,2-7,5	0,7-13	0,6-11	1,1-21	0,48-20	1,2- 49	
	SCREW TYPE		AUGER SCREW		SPIRAL SCREW		CONCAVE SCREW		AT16	
	GEAR	SPEED	D 12x5	D 14x20	D 14x10	D 14x20	D 13x11	D 14x15		
1/min		l/h	l/h	l/h	l/h	l/h	l/h			
6:1	25-470	0,3-12	2,4-96	1,5-45	3,6-140	0,6-24	1,2-45			
36:1	4-78	0,05-2	0,4-16	0,4-8	0,8-20	0,1-4	0,2-8			

The AS 25-AT16 can cover a throughput range from 0,1 to 190 l/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



CT SYSTEMS
excellence in innovation

Headquarters and factory

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