

GRAVIMETRIC FEEDER

NS 70



DESCRIPTION

DESIGN

CT Systems feeders have been designed to grant a wide range of flexibility for the different bulk solid materials and throughput range.

The single screw feeder NS70 is suitable for feeding granules, pellets, free flowing regrinds and flakes in continuous and batching processes.

It can work gravimetrically or volumetrically controlled. The compact, modular design allows the operator the flexibility to meet changing process requirements. Feed rates range from 1 - 3180 l/h . The efficient design of the feed hopper yields a large screw intake length and ensures no dead zones in material flow. Quick material changes are ensured through the bottom cleanout and feed screw quick removal from the rear.

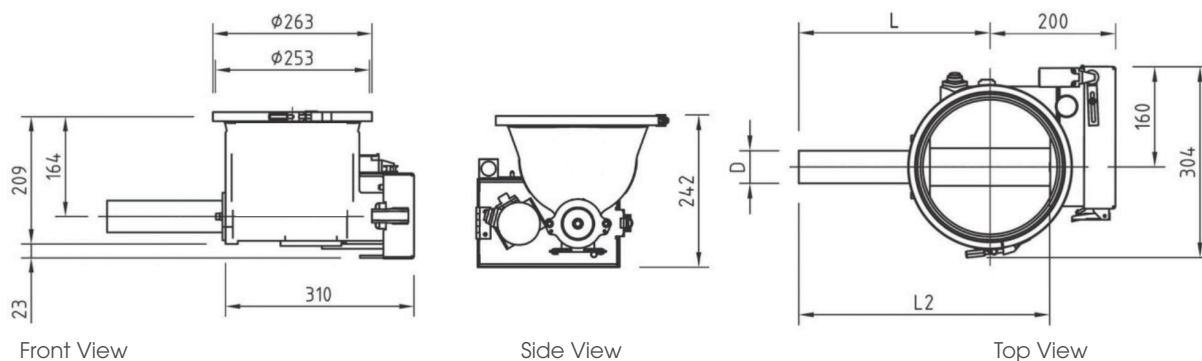
The feeder can be used in a single standalone application or it can be integrated in a multiple feeding system.

- 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 mechanical polished aluminium, food grade
- 106W DC, 220 VDC, 3200 rpm motor with speed control in protection class IP 54
- Operating and material temperature -20...+60°C
- Gear boxes in the sizes of 6:1, 23:1, 36:1
- Weight without accessories 15 kg

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.



OPTIONS

- Hopper extension modules in the sizes of 20l, 50l, 75l, 85l, 100l, 135l, 185l, special hoppers are on request available
- Removable vertical outlet tube with the size of 4"
- Screw and outlet tube extensions up to the total screw length of 600 mm
- All sealing which are in material contact in silicon free style continuous or batch processes.
- The use of the different load cells and control versions are described on separate technical data sheets.

APPLICATION

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

PERFORMANCE TABLE	SCREW TYPE		 SPIRAL SCREW	 AUGER SCREW
	GEAR	SPEED/MIN ⁻¹	l/h	l/h
	6:1	35 - 653	6 - 3180	3 - 3134
	23:1	9 - 169	2 - 823	1 - 811
	36:1	6 - 108	1 - 526	1 - 518

The NS 70 can cover a throughput range from 1 to 3180 l/h., measured on free flowing granules with a bulk density of 0.6kg/l.
The shown throughput datas are indicatory values subject to individual testing.



CT SYSTEMS
excellence in innovation

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