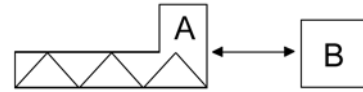


Typical Application of a Single Screw Feeder in a Dosing System.

- A Single Screw Feeder  
B Motor Control



Component A is described below.

## Brief Description

Colortronic's single screw feeder CD 70 S is ideally suited for dosing pellets, granulates, free flowing regrinds and flakes in continuous and batching processes.

It can be controlled gravimetrically or volumetrically. The compact, modular design gives the operator the flexibility to meet changing process requirements. Feed rates range from .04 to 106 cu. ft. (1 to 3000 liters) per hour. The specially formed 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 removal from the rear.



## Construction

### Description

- Single Screw feeder with horizontal discharge
- All material contact surfaces are manufactured from corrosion resistant food grade stainless steel
- Material seals manufactured from Teflon and silicone

### Distinct Features

- Compact construction
- Bottom discharge of material through manual slide gate
- Tool free removal of feed screw from the rear of feeder
- Maintenance free gears eliminate down time
- Simple installation with base plate or V-Clamp
- Large Screw intake length gives more consistent screw fill and accuracy

## Optional Equipment

### Accessories/Options

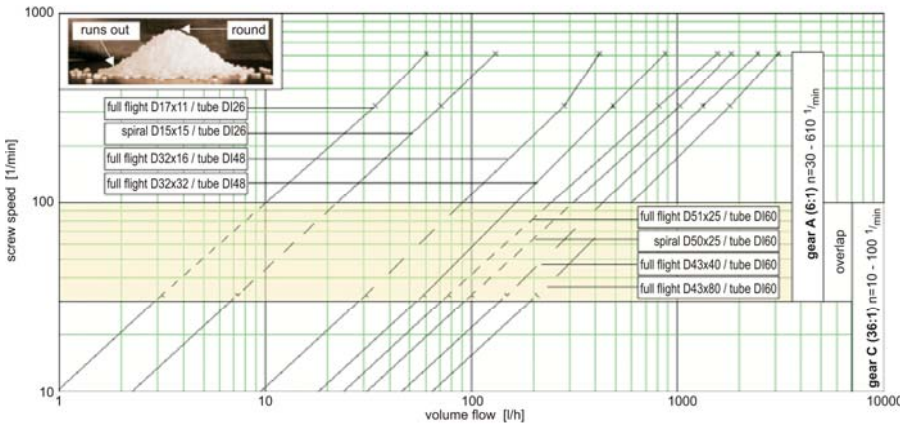
- Hopper extension modules
- Dust filters, finger guards, lids
- Vertical outlet tubes
- Extended screws 3.9"/5.9"/7.9" (100/150/200 mm)
- Controls Volumetric: Voludrive
- Controls Gravimetric: C2 S Touch, C2 Touch, C2 Mega Touch

### Installations

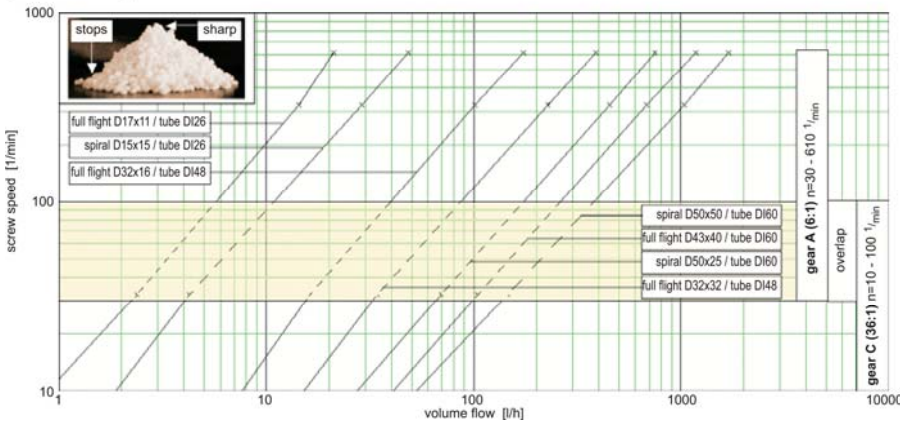
- Stand alone feeder for integrated with other feeding devices
- Continuous or batch processes
- Volumetric Control
- Gravimetric Control

**Performance**

**good-flowing material**



**poor-flowing material**



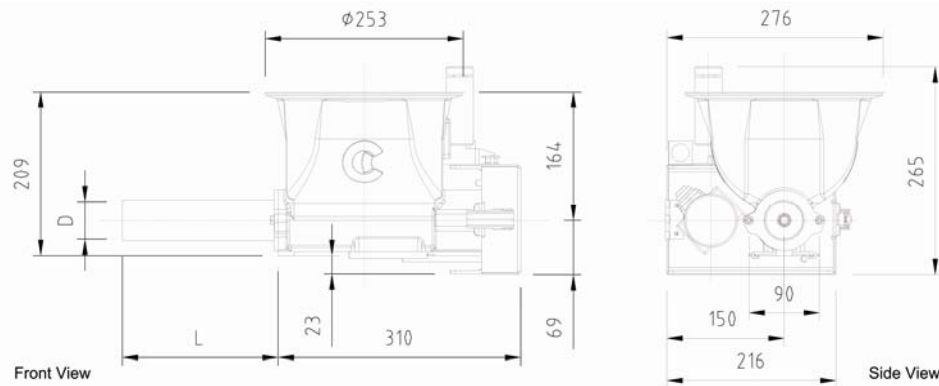
**Technical Data**

- Weight: 33 lbs (15 kg)
- Feed Hopper Volume: .18 cu. ft. (5 liter)
- Speed Reducers

**DC Motor**

- Motor size: 106 W
- Operating Voltage: 180 VDC
- Max. motor speed: 3200 rpm
- Motor class: IP 54

**Drawing**



D/d	L in. (mm)
64/60	5.7 (145)
	7.7 (195)
	9.7 (245)
52/48	5.7 (145)
	7.7 (195)
	9.7 (245)
40/36	5.7 (145)
	7.7 (195)
	9.7 (245)
30/26	5.7 (145)
	7.7 (195)
	9.7 (245)
24/20	5.7 (145)
	7.7 (195)
	9.7 (245)

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