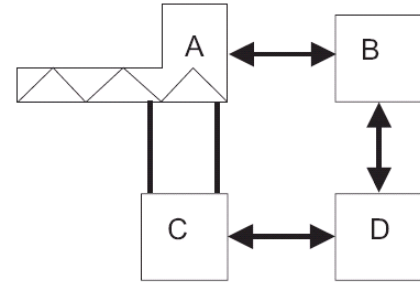


Typical setup for a dosing system with a single screw station.

- A Single screw dosing station
- B Motor control
- C Load cell
- D Dosing control

Component A is described below.



## Brief Description

### Application

Gravimetric dosing of easy free-flowing to non free-flowing Ingredients includes powders, fibers, flakes and pellets.

### Rugged, modular construction

CS65 modular design allows for flexibility to meet changes In process requirements. All parts coming in contact with material are made of corrosion resistant stainless steel. The built in agitator constantly keeps the material in motion thus eliminating costly bridging.



Material changes and cleanings are made quickly and easily allowing for minimal downtime of the customer's process. The synchronized gears and drive motors are maintenance free.



### Technical Information

- Dosing hopper capacity: Aprox. 5 l; 0.18 cu.ft
- Voltage: 240 V DC, PE (ground)
- Connected Load: 0.38 kW; 0.5 Hp  
Option: 0.75 kW; 1hp
- Protection class: IP 54
- Materials:  
Parts coming in contact with material:  
Corrosion resistan stainless steel  
DIN material no. 1.4401; AISI 316
- Seals: F.D.A or food quality
- Color: RAL 7035

### Performance

		 S					 F				
		Spiral Screw					Auger Screw				
Gear	Speed min <sup>-1</sup>	Ø 50x50 l/h	Ø 50x25 l/h	Ø 43x80 l/h	Ø 43x40 l/h	Ø 30x32 l/h	Ø 51x70 l/h	Ø 51x50 l/h	Ø 51x25 l/h	Ø 32x32 l/h	
7:1	31-586	151-2854	86-1635	147-2278	117-2203	47-879	149-2813	126-2385	74-1395	41-779	
15:1	15-273	73-1330	42-762	71-1294	56-1026	23-410	72-1310	61-1111	36-650	20-363	
28:1	8-146	39-711	22-407	38-692	30-549	12-219	38-701	33-594	19-347	11-194	
Gear	Speed min <sup>-1</sup>	Ø 30x16 l/h	Ø 20x20 l/h	Ø 20x11 l/h			Ø 32x16 l/h	Ø 17x17 l/h	Ø 17x11 l/h		
7:1	31-586	28-533	19-357	10-188			20-375	4-70	5-53		
15:1	15-273	14-248	9-167	5-87			10-175	2-33	1-25		
28:1	8-146	7-133	5-89	3-47			5-93	1-18	1-13		

The given throughput data refer to approximate values and is based on measurements with PS-reference granule, free flowing, with a bulk density of 0.6 kgs/l. The performance data for other materials may be different and is subject to individual testing.

[www.colortronicna.com](http://www.colortronicna.com)

#### Corporate Headquarters:

**Colortronic North America, Inc.**  
4100 Market Place  
Flint, MI 48507  
Tel. 810-720-7300  
Fax. 810-720-2598  
[colortronicweb@corpemail.com](mailto:colortronicweb@corpemail.com)

**Colortronic Systems AG**  
Hunzenschwil, Switzerland  
Tel: +41 62 689 25 25  
Fax: +41 62 689 25 26  
[info@colortronic.ch](mailto:info@colortronic.ch)

**Colortronic Systems GmbH**  
Friedrichsdorf, Germany  
Tel: +49 61 75 7 92 167  
Fax: +49 61 75 7 92 284  
[ctsystems@colortronic.de](mailto:ctsystems@colortronic.de)