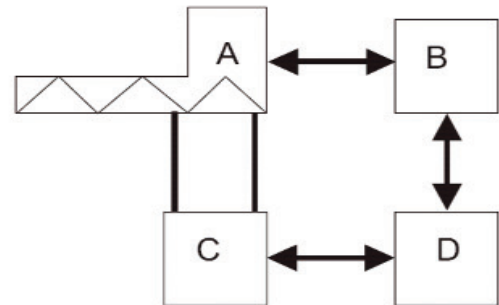


Typical layout of a dosing system with a twin screw station.

- A Twin screw dosing station
- B Motor Control twin screw station
- 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

CT36 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 bridging.

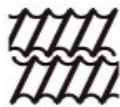
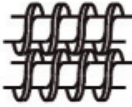
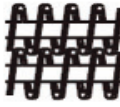
Material changes and cleanings are made quickly and easily allowing for minimal downtime of the customer's process. The synchronized gears and drive motors are maintenance free.



Technical Information

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

Performance

		C 	F 	S 
		Twin concave profile screw	Twin auger screw	Twin spiral screw
Gear	Speed rpm	Ø 32 x 30 l/h	Ø 32 x 16 l/h	Ø 30 x 16 l/h
7:1	31 – 586	28 – 527	32 – 598	39 – 733
15:1	15 – 273	14 – 246	15 – 278	19 – 341
28:1	8 – 146	7 – 131	8 – 149	10 – 183
Gear	Speed rpm	Ø 35 x 40 l/h	Ø 32 x 32 l/h	Ø 30 x 32 l/h
7:1	31 – 586	51 – 973	58 – 1102	59 – 1108
15:1	15 – 273	25 – 453	28 – 513	28 – 516
28:1	8 – 146	13 – 242	15 – 274	15 – 276

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

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