



## Technical Data\*

### Available Screw Sizes and Feed Rates

Screw Type	Ø mm x p mm	Tube Designation	Tube Dia. mm	Speed r.p.m.	Max. dm³/hr*
Spiral Screw (S)	S 9/7	120	15.0 x 1.5	200/DC	4.5
	S 13/10	160	20.0 x 2.0	200/DC	12
	S 13/15	160	20.0 x 2.0	200/DC	20
	S 18/13	210	25.0 x 2.0	200/DC	30
	S 18/19	210	25.0 x 2.0	200/DC	45
	S 20/24	210	25.0 x 2.0	200/DC	75
Granule Screw (S)	S 9/7	160	20.0 x 2.0	200/DC	9
	S 13/10	210	25.0 x 2.0	200/DC	22
	S 13/15	210	25.0 x 2.0	200/DC	35

\* The max. feed rates mentioned above are theoretical values based on a screw filling level and a motor speed of 100 % each. Depending on the flow characteristics of the ingredient the screw filling level may decrease down to 50 %.

### Component Groups

- Stainless steel exterior housing with removable back plate
- Screw and screw tube
- Flexible polyurethane hopper, volume approx. 2.75 dm³
- DC motor
- Massage paddles to promote ingredient flow without deterioration

### Screw Drive

#### DC gear motor

Wattage: 55 W

Maintenance-free gearing

#### DC speed controller

Rated voltage: 24 VDC

Input voltage range: 24VDC ± 10%

Rated current: 2.5 A

Setpoint potentiometer or 0-10 V input for external control

The unit conforms to CE standard

24V power supply unit included in the scope of supply, primary voltage 230 V, 50-60 Hz, ± 10 %

### Materials

- Exterior housing: completely made of stainless steel
- Flexible hopper: polyurethane (white), abrasion-resistant and wear-free, food-proof in compliance with the German Food-stuff and Consumer Goods Act (LMBG)
- Parts in contact with ingredient: SS 1.4571 (≈ AISI 316 Ti)

### Accessories / Options

- Stainless steel extension hopper, volume 5 dm³, SS 1.4301 (≈ AISI 304) or SS 1.4571 (≈ AISI 316 Ti), weight incl. cover approx. 2.5 kg
- Downspout at screw tube outlet

- Connection periphery:
  - Flexible inlet sleeves
  - Flexible outlet sleeves
- Screw speed monitoring system
- Quick-closing valve on outlet tube
- Exchange screws and screw tubes

### Fields of Application

Volumetric or in conjunction with a Brabender scale gravimetric feeding (see Brabender Works Standard "Brabender Loss-in-Weight Feeder Type DDW-MD1[2]-FW18-5").

Application e.g. in the following branches of industry:

- Chemical industry
- Plastics industry
- Pharmaceutical industry
- Food industry
- Sugar industry
- Pet food industry
- etc.



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