

Technical Data*

Available Srew Sizes and Feed Rates

Screw Type Ø mm x p mm	Tube Designation	Tube Dia. mm	Speed r.p.m.	Max. Feed Rate dm ³ /hr*
Spiral Screw (S)				
S 52/39	563	60.3 x 2.0	138/100 Hz	570
S 52/62	563	60.3 x 2.0	138/100 Hz	970
S 79/45	843	88.9 x 2.3	138/100 Hz	1640
S 79/82	843	88.9 x 2.3	138/100 Hz	3130
S 103/ 66	1091	114.3 x 2.6	138/100 Hz	4300
S 103/105	1091	114.3 x 2.6	138/100 Hz	6980
Blade Screw (B)				
B 50/45	563	60.3 x 2.0	138/100 Hz	550
B 50/70	563	60.3 x 2.0	138/100 Hz	890
B 79/50	843	88.9 x 2.3	138/100 Hz	1580
B 79/88	843	88.9 x 2.3	138/100 Hz	2920
B 103/ 66	1091	114.3 x 2.6	138/100 Hz	3960
B 103/105	1091	114.3 x 2.6	138/100 Hz	6400
Granule Screw (S)				
S 52/39	843	88.9 x 2.3	138/100 Hz	1060
S 52/62	843	88.9 x 2.3	138/100 Hz	1750
S 79/45	1091	114.3 x 2.6	138/100 Hz	2400
S 79/82	1091	114.3 x 2.6	138/100 Hz	4520

* 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 %.

Screw Drive

Three-phase current motor

Wattage: 0.75 kW
Voltage: 220/460 V, 50 Hz resp. multi-voltage range as per IEC 38
Speed: 69 min⁻¹/50 Hz
Enclosure: IP 66, insulation class F

or external control by 0-5(10) V, 0(4)-20 mA), or **Frequency Converter FC-V2.1** for control cabinet installation (external control by 0-5(10) V, 0(4)-20 mA or by setpoint potentiometer).
Details: see separate Works Standards

- Cover with inlet pipe and vent pipe for automatic refilling
- Laid-on cover with handle for manual refilling
- Safety grid, SS 1.4301 (≈ AISI 304)
- Nozzle for level sensor
- Flexible connection sleeves
- Exchange screws
- Exchange screw tubes
- Downspout for screw tube
- Quick-closing valve for screw tube
- Screw extension
- Pole-changing screw motor
- Explosion-proof designs

Materials

Ingredient-touched SS 1.4301 ≈ AISI 304 (blade screws polyurethane except B 103/66 and B 103/205 = 1.4301 ≈ AISI 304), mild steel parts painted light grey (RAL 7035, textured)

Agitator Drive

Three-phase current motor

Wattage: 0.12 kW
Voltage : 220/460 V, 50 Hz resp. multi-voltage range as per IEC 38
Speed: 1280/6.5 min⁻¹ at 50 Hz
Enclosure: IP 55, insulation class F

Accessories / Options

- Extension hopper, SS 1.4301 ≈ AISI 304, conical, 200 or 300 dm³
- Special extension hopper, round with discharge agitator, 180 dm³, SS 1.4301 (≈ AISI 304)

Fields of Application

Volumetric or - in conjunction with a Brabender scale - gravimetric feeding (see Brabender Works Standard "Brabender Loss-in-Weight Feeder Type DDW-H33-DSR103-200 [300]")

Speed Controller

Frequency Converter FC-B2 in an IP55 housing (setpoint potentiometer)



An ISO 9001/EN 29001 Certified Company

*Modifications reserved. All data describe our products in a general manner. They are no agreement on or warranty of characteristics in the sense of § 434 or guarantee in the sense of § 443 of the German Civil Code or similar regulations and effect no liability.

Issue 6.0 (June 08)
Supersedes 2.0 (February 08)