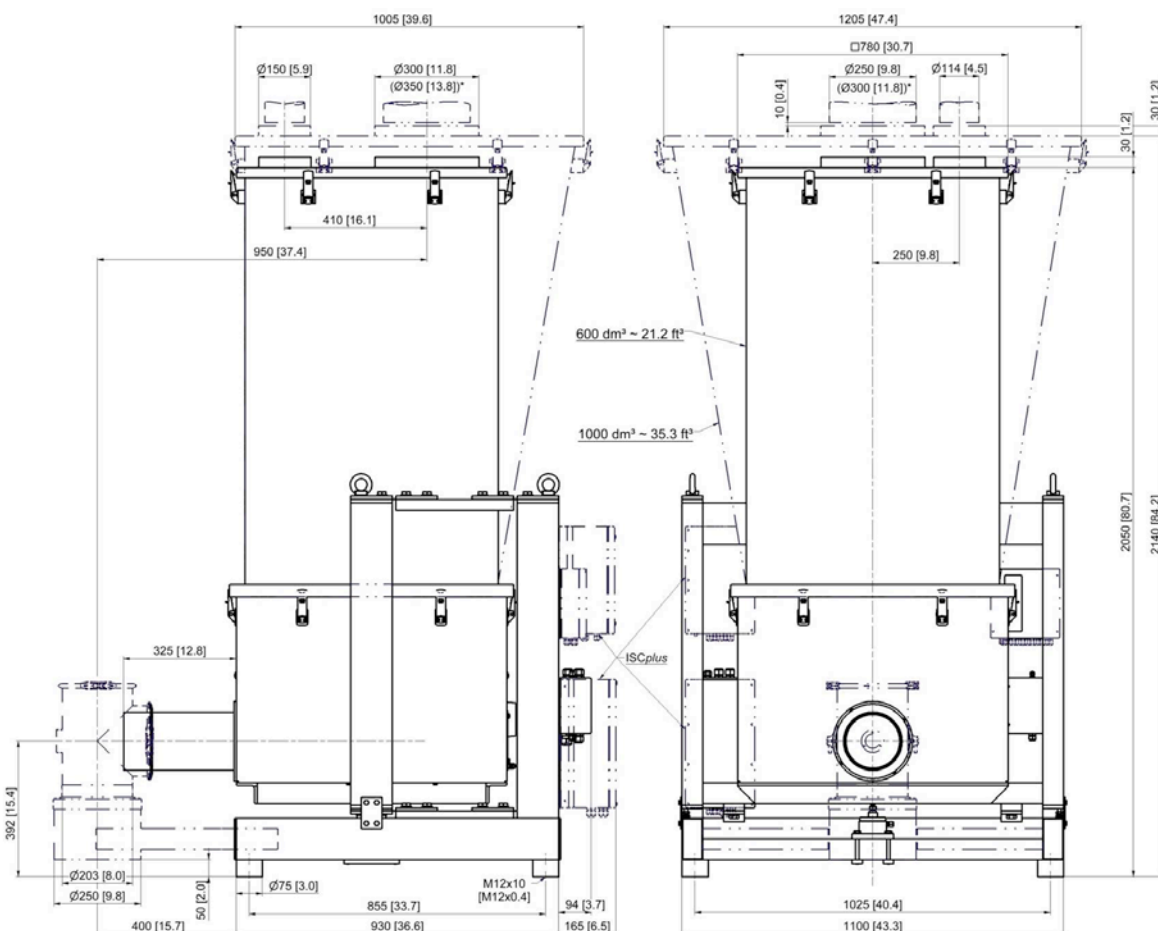
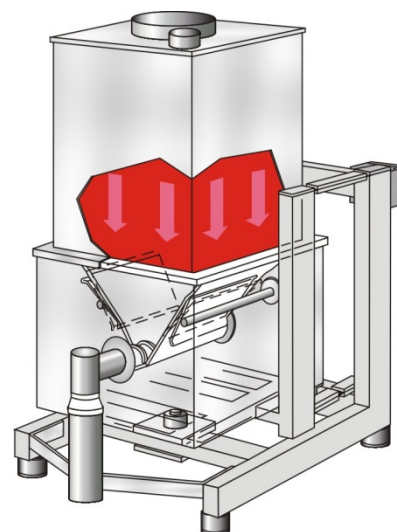


Brabender Loss-in-Weight Feeder DDW-H34-FW155/0(1)[2]-600(1000)

The Brabender DDW-H34-FW155/0(1)[2]-600(1000) loss-in-weight feeder, the gravimetric version of the Brabender FW155 FlexWall® feeder, is capable of reliably and accurately metering bulk ingredients with temperatures from 0 to 50°C (32-122°F) at high feed rates. The feeder has the following main components: a free-standing mounting base/scale with an IDL-F intelligent digital load cell, a Brabender FW155 FlexWall® feeder with a paddle-massaged flexible polyurethane hopper (alternatively available without paddles), and an extension hopper for ingredient storage. The motor driven (amplitude adjustable) paddles flex the polyurethane hopper walls to provide consistent mass flow of ingredient into the screw without degradation. The FW155/2 uses a separate motor for the external massaging paddles to allow paddle speed adjustment for difficult flowing ingredients. Free flowing ingre-

lients can use the non agitated FW155/1. Extension hoppers are available with 600 dm³ (21.2 ft³) or 1000 dm³ (35.3 ft³) volume. All components are fully mounted and internally wired to junction boxes. Options include versions with onboard control / speed control electronics and interchangeable screws. Ingredient contact steel parts are made of stainless steel. Mild steel parts are painted light grey (RAL 7035). Environmental conditions: 0-45°C (32-113°F), up to 85% humidity without condensation. The feeder conforms to CE directives.



Dimensions in mm (in)

- Weight with 600 dm³/21.2 ft³ extension hopper:

FW155/0(1) approx. 415 kg/914.9 lb, FW155/2 approx. 445 kg/981.1 lb

- Weight with 1000 dm³/35.3 ft³ extension hopper:

FW155/0(1) approx. 475 kg/1047.2 lb, FW155/2 approx. 505 kg/1113.3 lb

* optional inlet only available for 1000 dm³/35.3 ft³ extension hopper

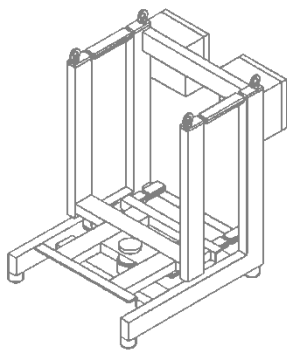
| Model | Motor | rpm | Paddles | Separate paddle drive |
|---------|--------|-----|---------|-----------------------|
| FW155/0 | 1.5 kW | 142 | yes | --- |
| FW155/1 | 1.5 kW | 142 | no | --- |
| FW155/2 | 1.5 kW | 142 | yes | 0.75 kW |

Technical Data

Available screw sizes and feed rates

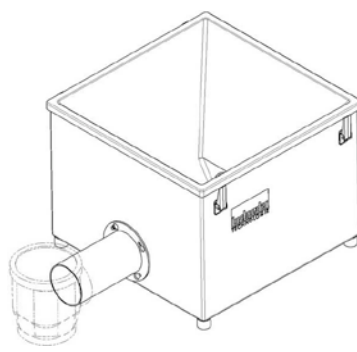
| Screw Type | Ø (mm) x p (mm) | Tube designation | Tube dia. (mm) | Max. speed (rpm) | Max. feed rate (dm³/hr)* | Max. feed rate (ft³/hr)* |
|-----------------------------|--------------------|---------------------|-------------------|---------------------|-----------------------------|-----------------------------|
| Spiral Screw (S) | S 103/105 | 1091 | 114.3 x 2.6 | 142/100 Hz | 7080 | 250.0 |
| | S 120/120 | 1270 | 133.0 x 3.0 | 142/100 Hz | 11090 | 391.6 |
| | S 155/100 | 1631 | 168.3 x 2.6 | 142/100 Hz | 15290 | 540.0 |
| | S 155/165 | 1631 | 168.3 x 2.6 | 142/100 Hz | 25570 | 903.0 |
| Pellet Screw (S) | S 103/105 | 1270 | 133.0 x 3.0 | 142/100 Hz | 8900 | 314.3 |
| | S 120/120 | 1631 | 168.3 x 2.6 | 142/100 Hz | 15550 | 549.1 |
| Blade Screw (B) | B 103/105 | 1091 | 114.3 x 2.6 | 142/100 Hz | 6510 | 229.9 |
| | B 120/120 | 1270 | 133.0 x 3.0 | 142/100 Hz | 10380 | 366.6 |
| | B 155/100 | 1631 | 168.3 x 2.6 | 142/100 Hz | 13860 | 489.5 |
| | B 155/165 | 1631 | 168.3 x 2.6 | 142/100 Hz | 23130 | 816.8 |

* Theoretical values at 100% screw filling level and motor speed. Depending on the flow characteristics the screw filling level may decrease to 50%. In addition, max. speed should be reduced to allow for bulk density variations.



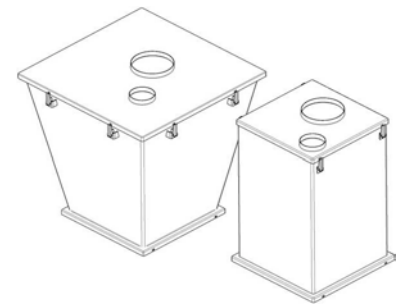
Mounting Base / Scale H34

- Free-standing mounting base with vibration isolation feet and junction boxes
- Intelligent digital load cell IDL-F
- Approx. net weighing ranges:
 - FW155/0(1): 1185 kg/2612.5 lb
 - FW155/2: 1155 kg/2546.3 lb (600 dm³/21.2 ft³ extension hopper)
 - FW155/0(1): 1125 kg/2480.2 lb
 - FW155/2: 1095 kg/2414.1 lb (1000 dm³/35.3 ft³ extension hopper)



FlexWall® Feeder FW155

- Stainless steel housing with rear access door
- Interchangeable screws
- Paddle-massaged flexible polyurethane hopper (FW155/1 is without paddles)
- Variable frequency driven 3 phase AC motor (1.5 kW, IP55, insulation class F, TEFC), max. screw speed 142 rpm
- FW155/2 only: second motor for separate paddle drive (0.75 kW, IP65, insulation class F, TEFC)
- Ingredient contact surfaces are polyurethane and SS 1.4301 (304)



Extension Hoppers

- Extension hoppers
 - 600 dm³ (21.2 ft³), straight walled
 - 1000 dm³ (35.3 ft³), steep sided
- Cover with inlet pipe and vent pipe
- Stainless steel SS 1.4301 (304)

Accessories

- Flexible connections
- Exchange screws
- Exchange screw tubes
- Maintenance disconnect box
- JetFilter for vent pipe

Options

- Version without discharge connection pipe
- Screw tube without vertical downspout
- Pressure compensation
- Explosion-proof designs
- Designs for higher or lower ingredient and/or ambient temperatures

Controls

Feeder control and speed modules are offered either mounted on the feeder or for mounting in a separate panel. Controls can communicate directly to most host/PLC systems or to Brabender Congrav® Operator Interfaces (see Congrav® Works Standards)



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