

Brabender Loss-in-Weight Feeder Type DDW-MS-FW155N-600[1000]

The Brabender loss-in-weight feeder DDW-MS-FW155N-600[1000] is the gravimetric version of the Brabender FlexWall® Feeder FW155N and feeds powder, granules, pellets, chips, etc. even with poor flowability.

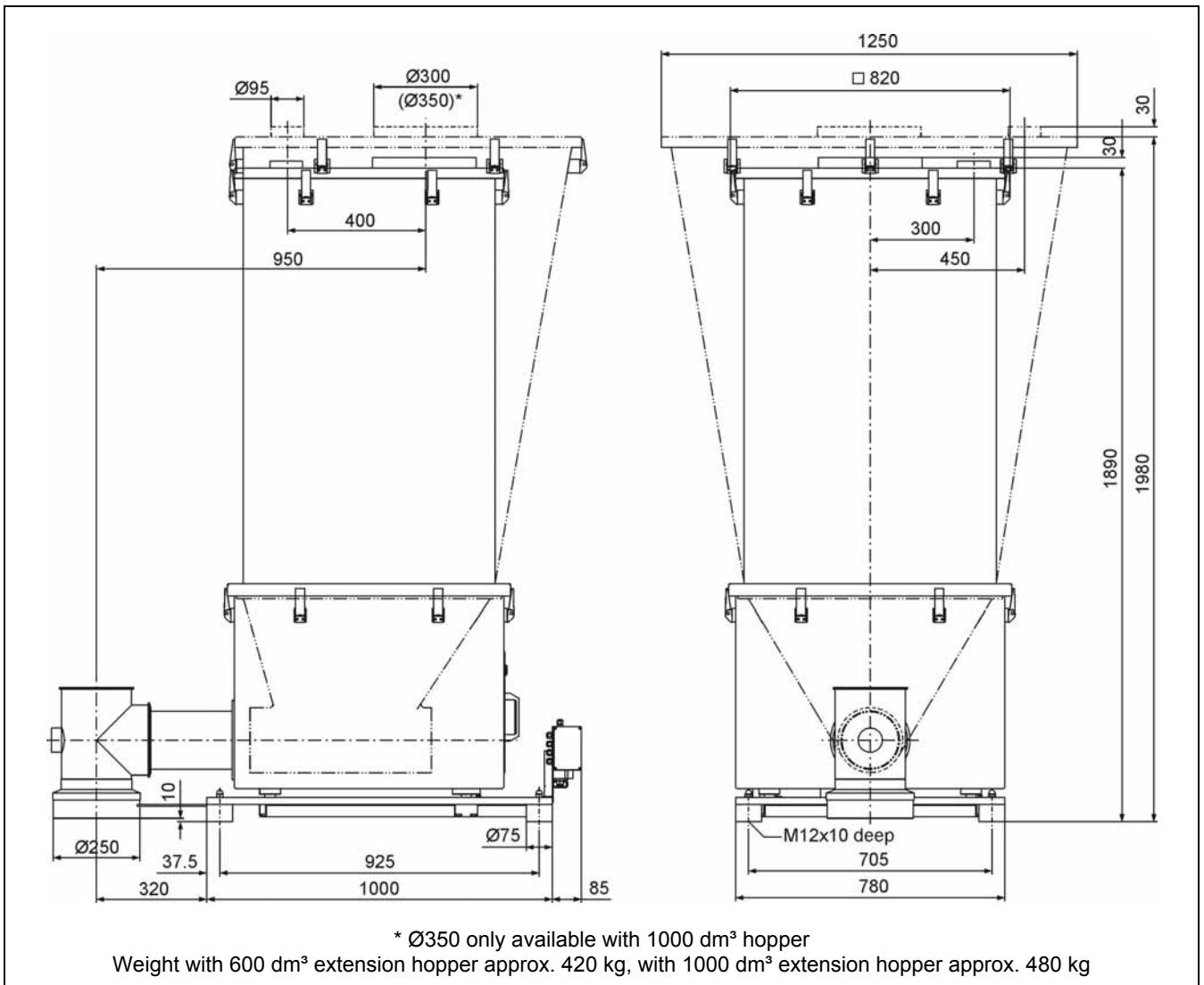
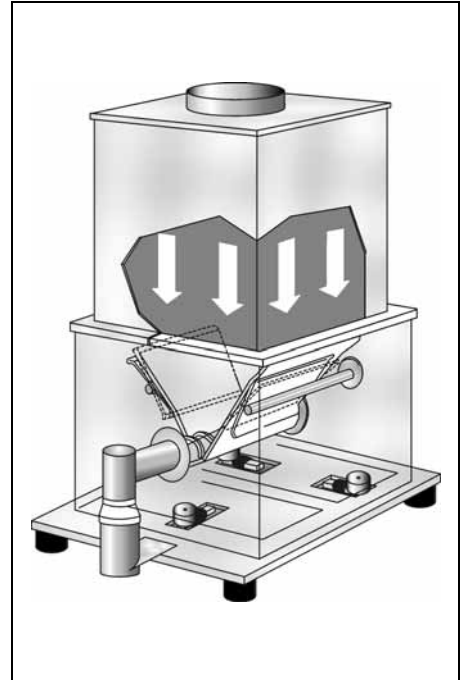
It consists of a scale module (free-standing mounting base with an integrated weighing system), the Brabender FlexWall® Feeder as feed module and an extension hopper. All modules are fully mounted and wired to junction boxes. Combined with a Congrav® controller or the Brabender SCC Field Bus System they form a high-tech feed system for highest feeding accuracy. The feed module, the Brabender FlexWall® Feeder with flexible polyurethane hopper and external paddle massage, ensures utmost feeding reliability without the disadvantage

of stirring agitators. The inducement of natural material flow and the full agitation of the entire ingredient compartment prevent bridging and particle deterioration and ensure an optimum screw filling level. To suit a variety of ingredients, various paddle agitation amplitudes and - by an optional separate variable speed motor - also the frequencies of the paddle movement can infinitely be adjusted.

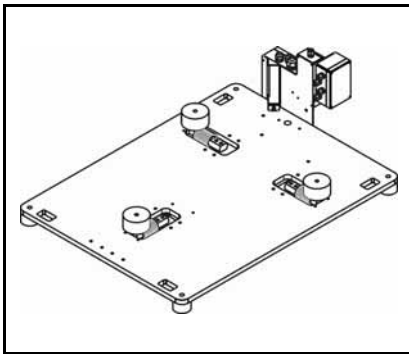
The unique design of the Brabender FlexWall® Feeder permits easy disassembly and cleaning.

All steel parts in contact with the ingredient are made of stainless steel. Mild steel parts are either zinc coated or painted light grey as per RAL 7035 (textured coating).

The loss-in-weight feeder conforms to CE directives.



Technical Data*



Scale / Mounting Base

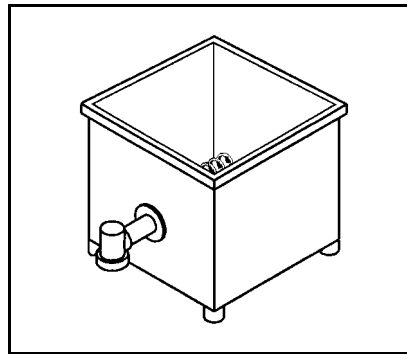
DDW-MS:

- Scale module with 3 integrated strain gauge load cells (serves also as a free-standing mounting base for the feed module)
- Vibration isolation mounting pads
- Discharge connection pipe for downstream equipment
- Junction boxes

Weighing ranges:

- 1270 kg net with rectangular extension hopper
- 1205 kg net with conical extension hopper

Information on feed module: Works Standard "FlexWall® Feeder FW155N"



Feed Module

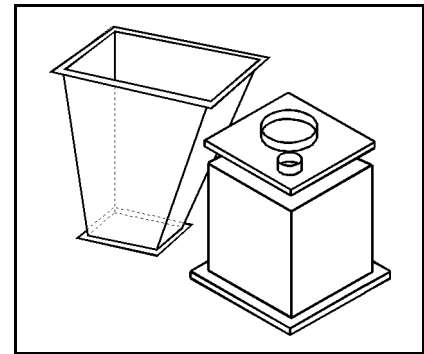
FlexWall® Feeder FW155N:

- Stainless steel exterior housing
- Exchangeable screw
- Flexible polyurethane hopper
- External massage paddles
- Three-phase current motor with overcurrent protection
- Steel parts in contact with ingredient SS 1.4301 (≈ AISI 304)

Max. theor. feed rate (assuming 100 % screw filling; depending on ingredient flowability the actual rate may decrease down to 50%):

Powder: 25570 dm³/hr
Granules: 15550 dm³/hr

Further information: Works Standard "FlexWall® Feeder FW155N"



Extension Hoppers

- Rectangular hopper module
- Conical hopper module
- Cover module with inlet pipe and vent pipe for automatic refilling
- All modules made of stainless steel SS 1.4301 (≈ AISI 304)

Hopper volumes:

- Rectangular hopper 600 dm³
- Conical hopper 1000 dm³ (suited to the feed rate range)

Further information: Works Standard "FlexWall® Feeder FW155N"

Accessories / Options

- Flexible connection sleeves
- Exchange screws
- Exchange screw tubes
- Separate paddle drive for paddle frequency adjustment

Special Designs

- Pressure-tight design
- Pressure-compensated inlet
- Pressure-compensated outlet
- Explosion-proof design
- "Intelligent" version with built-in control and regulation modules "ISC" (= Intelligent Signal Conditioner) for SCC Field Bus System

Control Modules

Congrav® controller and frequency converter FC-V3.1 for control cabinet mounting or Congrav® operating unit and feeder-mounted control and regulation modules "ISC" for Brabender SCC (= Single Cable Connection) Field Bus System (see the according Works Standards)



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