

## Brabender Loss-in-Weight Feeder Type DDW-MS6-DVT120-90[150]

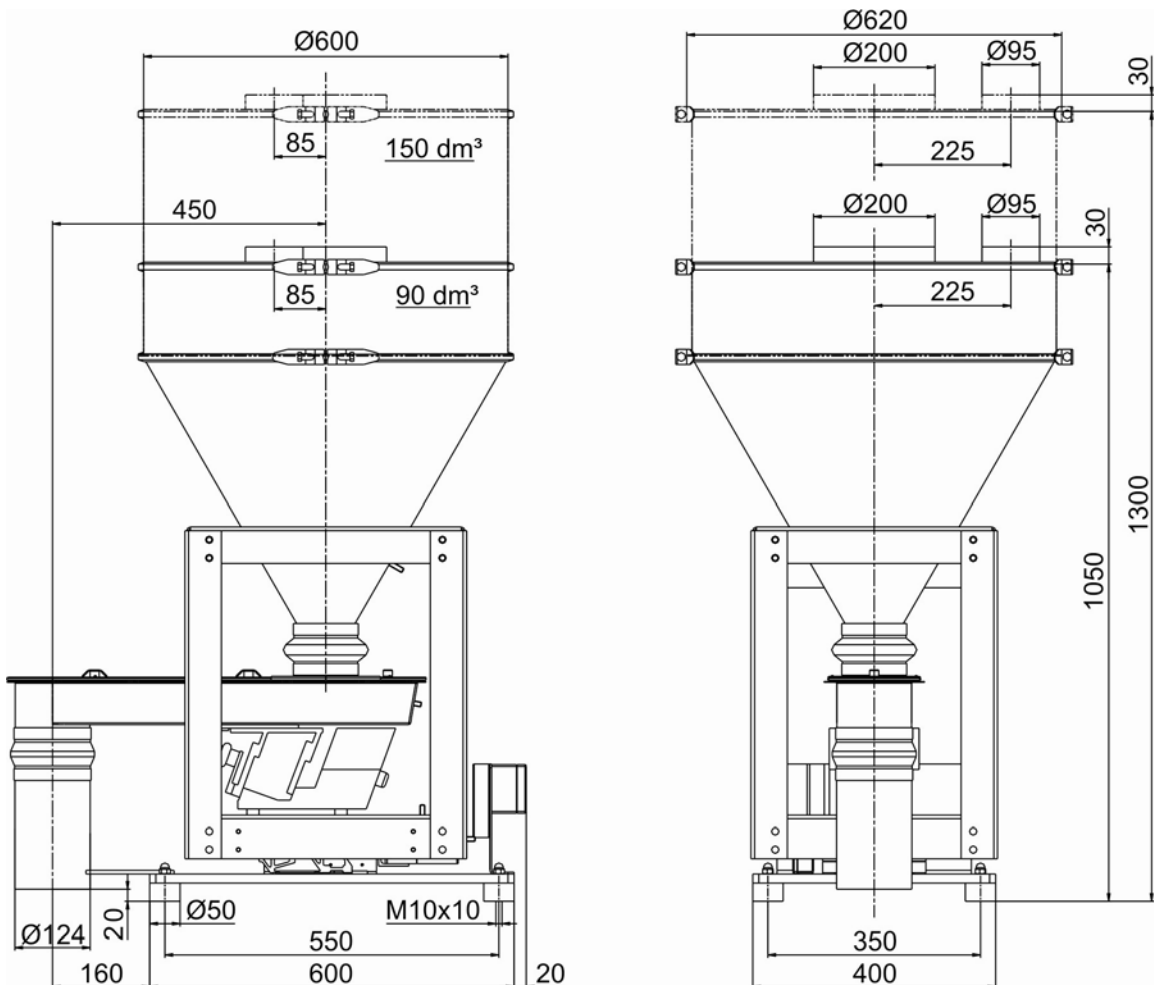
The Brabender Loss-in-Weight Feeder Type DDW-MS6-DVT120-90[150] is a special gravimetric metering feeder featuring a vibrating tray module for pellets and free flowing granular bulk ingredients.

The weigh-feeder consists of a free-standing mounting base/weighing module combination with a high-accuracy strain gauge load cell, a base-mounted rack with an integral storage hopper module and a vibrating tray module mounted in the rack.

The tray is vibrated by an electromagnetic vibration drive featuring a vibration amplitude feedback system, which ensures linear conveyance characteristics over the entire feed rate range. All modules are fully mounted and wired to junction boxes. Combined with a controller from the Congrav®

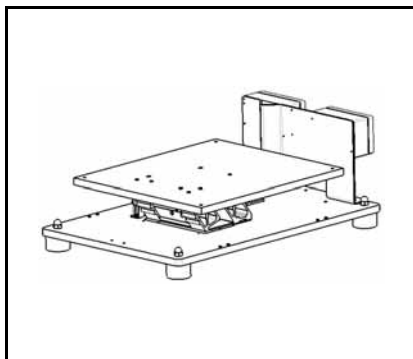
line or the Brabender SCC Field Bus System they form a high-tech feed system for highest feeding accuracy. All parts in touch with the ingredient are made of stainless steel.

Mild steel parts are painted light grey as per RAL 7035 (textured coating). The unit conforms to CE directives.



Weight with  $90 \text{ dm}^3$  hopper approx. 88 kg, with  $150 \text{ dm}^3$  hopper approx. 95 kg

## Technical Data\*



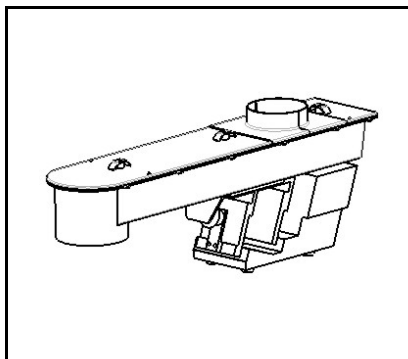
Base / Weighing Module

Mounting base/weighing module combination type MS6:

- Free-standing mounting base with vibration isolation pads
- High-accuracy strain gauge load cell
- Junction boxes

Weighing ranges:

- Version with 90 dm<sup>3</sup> hopper:
  - 234 kg net
- Version with 150 dm<sup>3</sup> hopper:
  - 227 kg net



Feed Module

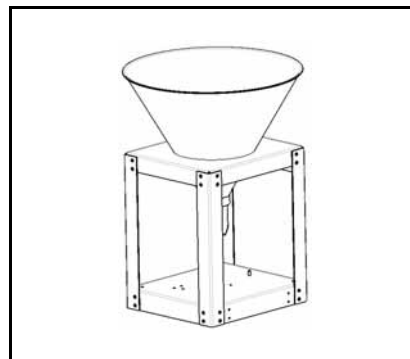
Vibrating tray module DVT120:

- Tray width 120 mm
- Tray cover included as standard
- Ingredient-touched parts SS 1.4301 (≈ AISI 304)
- Electromagnetic vibration drive
  - Diode voltage 156 V
  - Frequency 50 Hz
  - Enclosure protection IP 65
  - Vibration amplitude feedback

- Max. feed rate 3000 dm<sup>3</sup>/hr\*
- Turndown ratio 80:1

\* Feed rate at 90% of max. vibration drive capacity (reserve capacity required for regulation in gravimetric metering already taken into consideration).

Feed rate data refer to the following reference medium: plastic pellets, free flowing, bulk density 0.5 kg/dm<sup>3</sup>, grain size 4 mm



Rack / Hopper Modules

- Conical hopper module as an integral part of the rack in which the feed module is mounted
- Cover module with inlet pipe and vent pipe for automatic refilling
- Ingredient-touched parts SS 1.4301 (≈ AISI 304)

Hopper volumes:

- 90 dm<sup>3</sup>
  - 150 dm<sup>3</sup>
- (suited to feed rate range)

### Accessories / Options

- Flexible connection sleeves
- Dust filter cartridge for vent pipe
- Laid-on cover module with handle for manual refilling
- Safety grid, SS 1.4301 (≈ AISI 304)

### Special Designs

- Pressure-tight design
- Pressure compensation on inlet pipe
- Pressure compensation on outlet pipe
- Explosion-proof design
- Version for SCC Field Bus System

### Control Modules

Congrav<sup>®</sup> operating and control units incl. vibration controller for control cabinet installation or Congrav<sup>®</sup> operating unit and feeder-mounted control modules "ISC" (field bus system)



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