General Information

The **DVT200** is an ideal feeder for granules and free flowing bulk materials.

The feeder has the following main components:

- A freestanding **integrated scale** with high resolution strain gauge or digital load cell, a **support frame with integrated hopper** with the volumes of **200 dm³ (7.1 ft³)** or **300 dm³ (10.6 ft³)** and a **vibrating tray** mounted in the frame with electromagnetic vibrating drive.

The tray design provides uniform feed for fragile ingredients due to its vibrating principle of operation which gently discharge material.

The electromagnetic vibrating drive features amplitude feedback, ensuring linear feed rate over the entire range.

All modules are fully mounted and internally wired on terminal boxes.

The DVT200 can be supplied with integrated control modules.

The gravimetric Version includes the MS6 weighing system with strain gauge load cell as well as the digital load System DLS6 and MD6 (for extremely high measurement requirements), featuring a high-resolution digital load cell with serial data transmission with strain gauge load cell with advanced filtering technology.

The unit conforms to CE directives.

Model Specification

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**Feeding principle**

- Vibrating Tray

**Drive**

- Electromagnetic vibrating drive

**Adjustment range**

1:50

**Frequency**

50 Hz

**Enclosure protection**

IP65

**Width of vibrating tray**

200 mm

**Mains voltage**

230 V

Control and speed modules are offered either mounted onto the feeder ([Congrav® CM-E](#)) or are available for mounting in a separate control panel ([Congrav® CB-E](#) or [Congrav® CB-S](#)).

Controls can communicate directly to most host/PLC systems or to Brabender Technologie Congrav® Operator Interfaces.
Technical Specification

Ambient temperature: 0°C to +45°C (32°F to 113°F)
Humidity of the air: up to 85% without condensation
max. vacuum/pressure: 3 hPa (3 mbar)
Ingredient temperature: 0°C to + 60°C (32°F to 140°F)
max. feed rate: 6500 dm³/h **
min. feed rate: 130 dm³/h **
max. bulk density: 1.5 kg/dm³ *

Trough, outlet, hopper, hopper lid:

200 dm³ (7.1 cuft) hopper or 300 dm³ (10.6 cuft) hopper:

Vibrating drive: Diode voltage 157 V, frequency 50 Hz, IP65, Active power 35W, Noise level ≤55 dB

Power supply: AC 230/400 V (110VAC/460VAC) - 50Hz

Net weighing range MD6/DLS6:

239 kg (526.9 lb) with hopper 200 dm³ (7.1 cuft)
234 kg (515.9 lb) with hopper 300 dm³ (10.6 cuft)

Net weighing range MS6:

209 kg (460.8 lb) with hopper 200 dm³ (7.1 cuft)
204 kg (449.7 lb) with hopper 300 dm³ (10.6 cuft)

* other values upon request

** Reference medium: plastic granulate, free-flowing, bulk density 0.5 kg/dm³, grain size 4 mm. For other dosing media, reductions in capacity must be taken into account.

Options and Accessories

- Flexible inlet and vent connections
- Flexible outlet connections
- Explosion-proof versions as per directive 2014/34/EU, (ATEX II 2D/- Ex h IIIB T150°C Db/-)
- Hygienic Design versions

- Filter bag or JetFilter for vent pipe
- cart mounting
- Pressure compensation
- Higher or lower temperature versions
- Cleaning and refill systems upon request