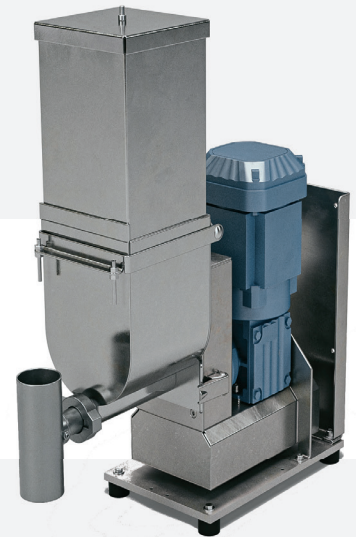


The Loss-in-Weight Feeder DE-DDW-40-FX/2 is a dosing device for volumetric and gravimetric feeding of bulk materials such as powders and granulates in the lower capacity range.

Loss-in-Weight Feeder

DE-DDW-25

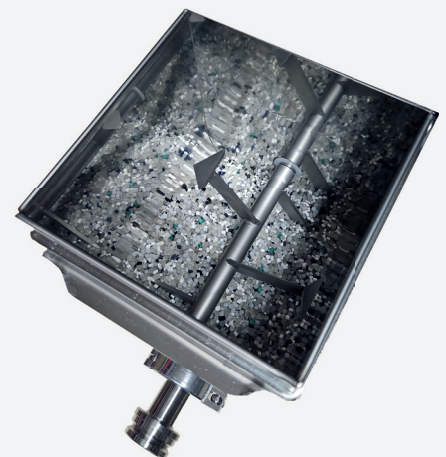


The DE-DDW-25 is a dosing unit for bulk materials, especially powders, which flow conditionally to heavily. It is specially designed for the lower performance range. All components of the device are made of stainless steel, which ensures a high durability. Due to its compact design, the unit requires little space and is easy to transport. Therefore, it is not only suitable for industrial use, but also ideal for use in pilot plant or laboratory.

The unit can be equipped with various hopper attachments, feeding screws, and screw tubes, and can thus be easily adapted to the required feeding capacity. An agitator, which is driven parallel to the dosing screw, prevents bridging during dosing and thus always ensures an even screw filling level. All components are precisely matched to each other and ensure a continuous material flow of the bulk material, so that even the smallest quantities can be precisely metered.

The feeder is supplied ready for connection, including control and drive technology. This means it can be put into operation immediately. Operation of the device is simple and intuitive, so that even inexperienced employees can work with it quickly.

Trough agitator to prevent bridging



See the
DE-DDW-25
in action



Highlights

- High feeding accuracy and reliability guaranteed even with difficult flowing bulk solids
- Integrated agitator prevents bridging and ensures uniform screw filling level
- Easy cleaning and maintenance due to easy disassembly possibility
- Space saving and compact design
- Flexible use in different industries and environments
- Supplied fully assembled and can be quickly commissioned via the web server or the optionally available HMI

Dosing tools and dosing capacities

Screw type	Screw-diameter [mm]	Screw-gradient [mm]	Tube diameter outside/inside [mm]	Max. Dosing capacity [dm ³ /h]*
Spiral screw	15	15	24/17	1 - 150
Spiral screw	25	25	30/27	

* The specified dosing capacities are theoretical values in volumetric operation and with a screw filling level and a motor speed of 100%. The dosing capacity can be significantly influenced by screw and gear changes. In gravimetric dosing, the dosing capacity is generally somewhat lower. The actual capacity is essentially determined by the material properties of the bulk material and must be determined individually.

Technical Data

Ambient temperature	0.. 45 °C
Product temperature	0.. 60°C
Bulk density	0,5 up to 1,3 kg/dm ³
Flow properties	free to heavy flowing
Weighing capacity	30 kg / 50 kg
Dosing hopper	ca. 4 dm ³
Top hopper	ca. 6 or 10 dm ³
Power supply	AC 230/400V – 50Hz
Dimensions [mm]	ca. 250 x 670 x 650 (WxDxH)
Weight (standard version)	ca. 40 kg

Materials

Product touching	1.4301 / 2R
Weighing / base plate	AlCuMgPb
Other	S235JR, POM

Drives

Dosing screw	0,37 kW Motor remains on the device
Product activation	via chain drive
Setting range/ratio	14:1
Screw speed	200 min ⁻¹ (100 Hz)

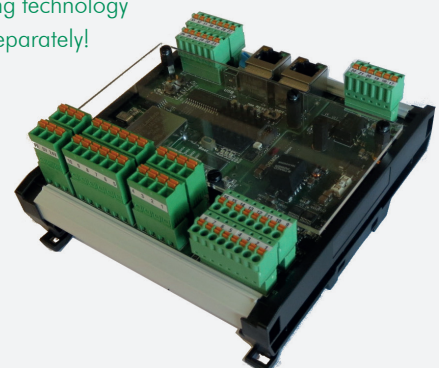
Control system

- All devices of the DE-CON/U family
- Can be mounted directly on the device or in the control cabinet
- Also available as ATEX version
- Direct connection DMS-Load cell
- Complete operation and program updates via web server
- Numerous interfaces to the PLC system
- Optionally with control of a conveyor system and/or refill stations
- Can be combined with dosing devices from other manufacturers
- Further information in separate document

Options

- Exchange screws, -screw tubes
- Vertical outlet
- Hopper lid for automatic or manual filling
- Hopper lid with filter bag or jet filter for venting
- Flexible inlet expansion joints and outlet sleeves
- 5,7" / 7" HMI for use as stand-alone system

Our control systems also fit to your dosing technology and are available separately!



Would you like to learn more about our products?
We look forward to advising you.



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