

Gravimetric Dosing Unit MCS 60 High Output

The MCS 60 HO (formerly MCHigh Output) is the gravimetric answer for dosing high capacities from 50kg/h up to a maximum of 1,200kg/h. The system doses this high output of additive without making any concessions to accuracy. The gravimetric technology makes this possible for both injection moulding and extrusion applications.

The unit has an integrated weighing module that precisely measures the throughput by the loss-in-weight principle.

The fully gravimetric system continually calibrates the dosage and adjusts automatically. The refilling of the MCS 60 is controlled by an integrated pneumatic operated knife valve at the top flange.

The MCS 60 handles granulates, difficult regrinds and free-flowing powders. It is capable of processing hot materials up to 180°C.

Features

- ▶ Full gravimetric control
- ▶ Easy to clean: the motor/screw assembly can be removed without tools
- ▶ Can handle granulates, difficult regrinds and free-flowing powders
- ▶ Equipped with an integrated slide valve to control the material loading
- ▶ Can handle hot materials up to 180°C



Multi Material Dosing

Specially designed to handle the most difficult materials including bad flowing powders and large regrinds.

Easy Integration

The MCS 60 can easily work in conjunction with other Movacolor dosing units. This allows more flexibility in handling different materials or outputs at the production line.

Wide Capacity Range

The MCS 60 comes in three sizes, max. 100, max. 500 and max. 1,200 kg/h.



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Gravimetric Dosing Unit

High Output Gravimetric Doser

Technical Specifications

Capacity

50-1,200 kg/h* (depending on dosing tool fitted)

Applications

Injection moulding and extrusion

Communication

Modbus TCP/IP, Profibus**, Profinet**

Data Storage

Internal memory (static changes), MCLan data logging software (dynamic changes), 500 recipe storage function

Power Supply

95-250 VAC, 50/60 Hz.

By integrated automatic voltage selector.

Power Consumption

150 Watt maximum

Languages

English, German, Dutch, French, Hebrew, Turkish, Chinese, Thai, Japanese, Russian, Italian, Czech, Portuguese, Spanish, Indonesian, Polish, Korean, Hungarian, Swedish, Romanian***

Operation

8" full colour touch screen display

Input Signals

Start input: potential free, 24 VDC or extruder tacho (0-30 VDC)

Output Signals

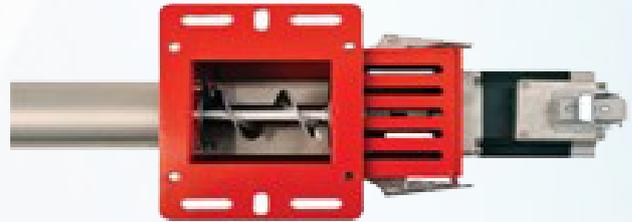
Alarm, warning, run, valve (for hopper loader control), 2x0-10 VDC** or 4-20 mA**

* measured with a bulk density of 0.8 kg/dm³

** optional

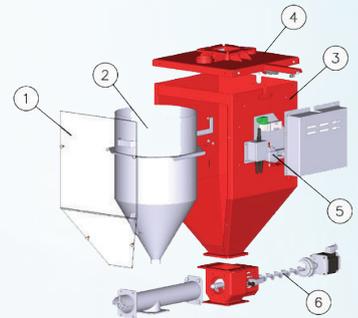
*** additional languages on request

Screw Assembly & Auger

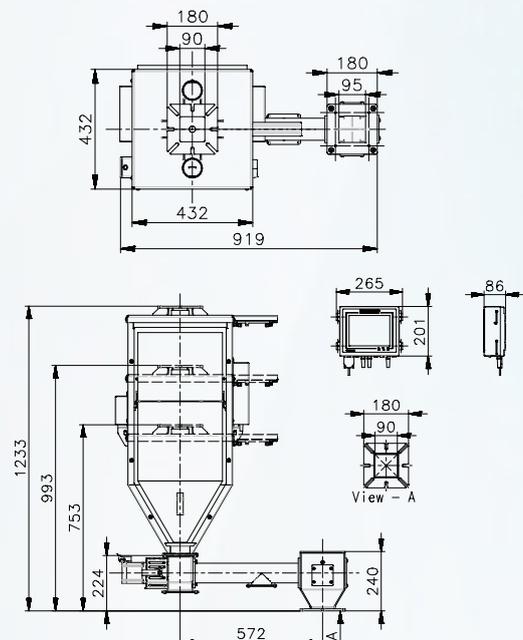


Exploded View:

- 1 Window
- 2 Weighing hopper
- 3 Body
- 4 Lid including knife gate
- 5 Load cells
- 6 Motor/screw assembly



Dimensions: H0100, H0500 and H01200



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