MOVACOLOR

COLORING THE WORLD

MCPowder

Trouble free dosing of non-free-flowing powders

Dosing powder is one of the most difficult challenges in the field of dosing, especially when we talk about non-free-flowing powders at extreme low rates. Expensive powder additives that add high impact to your process require the best in the field of accuracy and reliability.

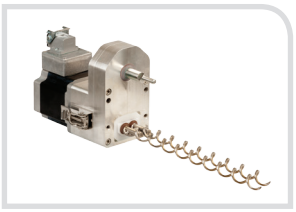
Movacolor has, based on its proven gravimetric technology, developed a compact powder dosing unit to do just that. It doses as low as 100 g/h, but also as high as 40 kg/h. Double spiral and hopper agitation ensure trouble free dosing of the most difficult powders. And this is accomplished in both injection molding and extrusion applications.

The unit operates as a single unit, but can also be integrated into our unique modular continuous blending system, allowing to add the most difficult powders to the blend of your extruder.

The MCPowder is a truly unique product in the market that makes you forget any powder dosing problem you currently might have.

Features

- Double spiral design for reliable dosing of non-free-flowing powders
- Agitator avoiding material clogging or rat holing
- High grade polished hopper
- Quick release coupling for easy cleaning
- Special support frame for hopper loaders available



Extremely accurate and robust

The double spiral design, stepper motor control and the Movacolor patented gravimetric technology creates extreme accuracy. The unit is made to last in the most troublesome environments.

User-friendly

Our 8" full color touch screen display with integrated hopper loader control ensures easy operation. The MCLan software allows 100% traceability of the dosed additives.

Modular

The MCPowder can be integrated in Movacolor's unique continuous blending systems.

MCPowder gravimetric or volumetric

The MCPowder is available in a gravimetric or volumetric version. The volumetric dosing unit comes with a MC18 controller.

MOVACOLOR LEADING INNOVATOR IN DOSING TECHNOLOGY

For almost three decades, Movacolor has been dedicated to coloring the world in a sustainable way. We do so by developing high-precision gravimetric and volumetric dosing systems. Our knowledge, experience and innovation capabilities are invested in a comprehensive portfolio of user-friendly products. These work easily and effortlessly together in advanced systems that conserve additives, increase production flexibility and deliver excellent results.

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MCPowder

Technical specifications

CAPACITY
0.1-40 kg/h*

APPLICATIONS
Injection molding and extrusion

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

DATA STORAGE
Internal memory (static change), MCLan data logging software (dynamic changes, 500 recipes 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***

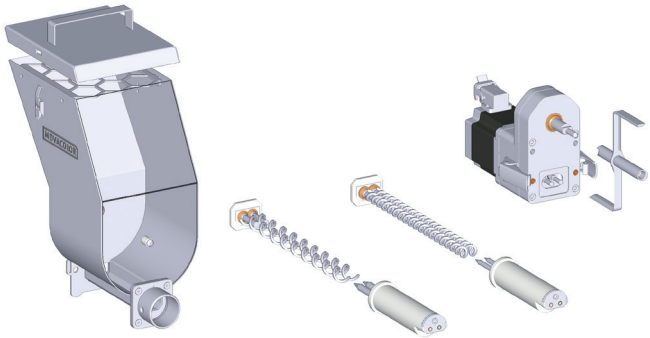
OPERATION
8" full color touch screen display

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

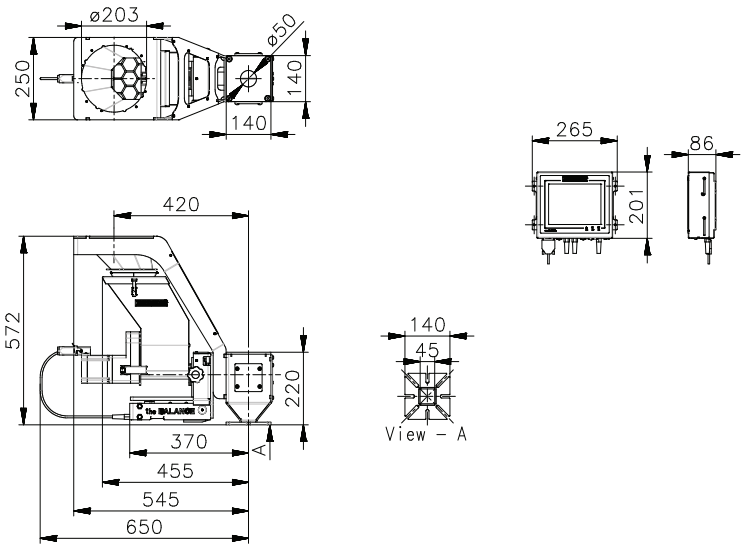
OUTPUT SIGNALS
Alarm, warning, run, valve (for hopper loader control), 2x0-10 VDC** or 4-20 mA**

* *measured with powder with a bulk density of 0.6 kg/dm³*
** *optional*
*** *additional languages on request*

Exploded view dosing spiral options



Dimensions MCPowder with support frame



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