

Coloring with liquid can be a challenging operation. It all depends on reliable dosing, often at extreme low dosage rates. Variation in viscosity of liquids and spill-free handling are the main issues.

Movacolor has developed a modular liquid dosing system with one universal motor unit, two pump types and several spill-free packaging concepts. This offers you the possibility of composing your optimum configuration:

- Gravimetric with peristaltic pump: easy color change and maximum control.
- Gravimetric with mono pump: ideal for long runs with one color and maximum control.

Both systems are also available in a volumetric configuration.

To complete the package we supply in-line mixers and special nozzle adapters for easy installation and easy cleaning.

Your total liquid dosing concept.

Features

- 100% traceability by gravimetric control
- 8" full color touch screen
- Automatic material calibration
- Recipes storage function
- Free choice of pump type and packaging concept
- Total integrated solution including mixers and neckpieces

About Movacolor

Movacolor specializes in tailor-made dosing solutions for the plastics industry. From our headquarters in the Netherlands, 50 colleagues work daily on (the assembly of) customer specific dosing solutions. Movacolor's mission is to support plastic manufacturers in achieving their sustainability goals. We do this by means of our unique modular dosing concept. This dosing concept ensures that plastic manufacturers can easily process recycled material, reduce waste and save costs.

MCLiquid

Reliable and spill free liquid dosing



Reliability and traceability

The advanced gravimetric technology takes away the pre-calibration time and gives you 100% control of the dosed quantities, 24 hours a day.



User-friendly

The dosing unit is very user-friendly thanks to the design. The touch screen is full color and easy to use.



Total liquid dosing concept

The modular design offers quick and easy color change. The packaging concept guarantees spill-free handling. The gravimetric MCLiquid can be integrated with our gravimetric solid dosing or our MCContinuous Blender system.

Specifications

Capacity

0.01-13 ml/sec* (0.04-35 l/h)

Applications

Injection molding and extrusion

Communication

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

Data storage

Internal memory (static changes), MCSmart data logging software (dynamic changes), 1,000 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

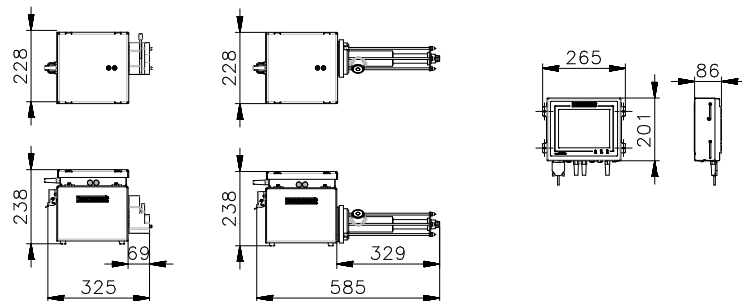
Start input: potential free, 24 VDC or extruder tachometer (0-30 VDC)

Output signals

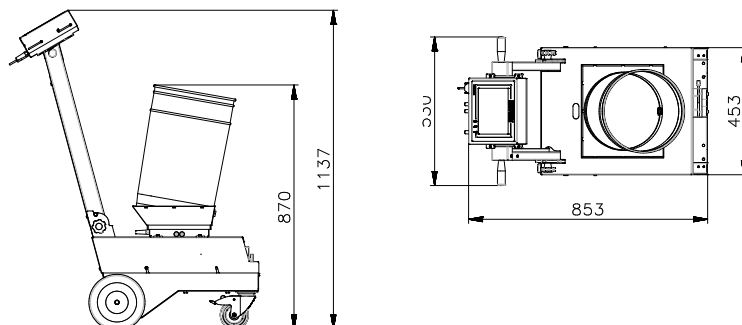
Alarm, warning, run, valve (for hopper loader control), 2x0-10 VDC** or 4-20 mA**



Dimensions HO100, HO500 and HO1200



Dimensions HO100, HO500 and HO1200



* depending on pump type

** optional

*** additional languages on request