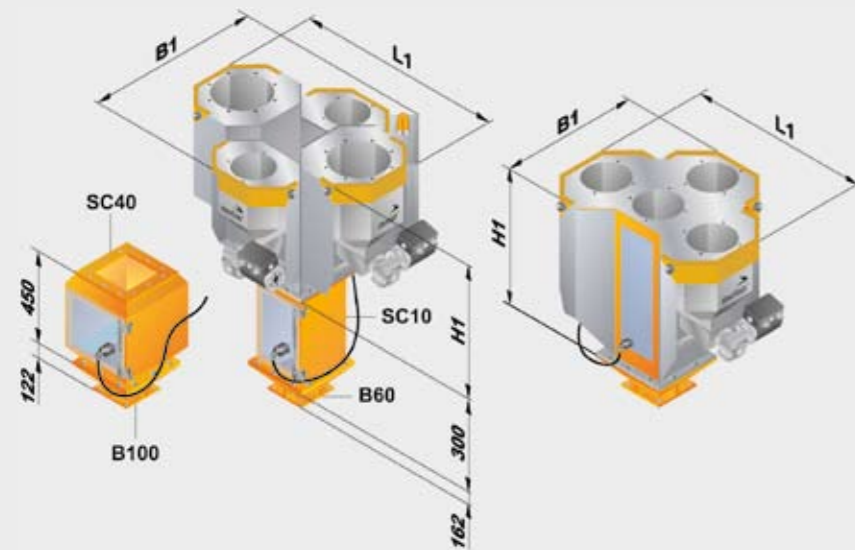




## SPECTROCOLOR V

## MB COLOR



### Technical data

Dosing and mixing unit	SPECTROCOLOR V			MB COLOR	
	120	200	1200	40	120
Central material hopper	10 (SC10)	10 (SC10)	40 (SC40)	•	•
Number of supply hoppers					
5 l	1 - 3	-	-	1 - 3	-
15 l	-	1 - 4	1 - 6	-	1 - 3
40 l	-	-	1 - 5	-	-
Connected load (W)	500				
Dosing screw type					
G1S	•	-	-	•	-
G2S	•	-	-	•	-
G3S	•	-	-	•	-
G4S	•	-	-	•	-
G5S	•	-	-	•	-
G12S	-	•	•	-	•
G26S/L	-/-	•/-	••	-/-	•/-
G52S/L	-/-	•/-	••	-/-	•/-
G78L	-	-	•	-	-
Power supply (V/Hz)	1/N/PE 230/50	1/N/PE 230/50	1/N/PE 230/50	1/N/PE 230/50	1/N/PE 230/50
Dimensions (mm)					
L1	804	736	930	804	736
B1	507	970	1022	507	800
H1	402	700	882	402	704
Weight approx. (kg)	110	150	130	150	80
Colour RAL (orange/grey)	2011/7040	2011/7040	2011/7040	2011/7040	2011/7040

Subject to technical changes.

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# SPECTROCOLOR V MB COLOR

## Your benefits

### Cost savings through

- saving additives
- fast material changes
- high productivity
- constant dosing throughput

### Production reliability through

- simple calibration
- high repeatability
- simple operation with micro-processor control
- parts in contact with material made of stainless steel
- simple cleaning
- wear-free dosing drive

## Dosing and mixing



# SPECTROCOLOR V MB COLOR

## Dosing and mixing units

With the volumetric dosing and mixing unit SPECTROCOLOR V and MB COLOR, motan offers a simple solution for the economic production of plastics parts: precise dosing and homogeneous mixing with highest repeatability.

Either as a central mixing station or mounted on the processing machine, they dose and mix up to six materials in granular form. They operate according to the motan gravity mixing principle.

The dosing heads are simultaneously controlled by microprocessor controls. The inclined dosing screws provide a continuous and accurate material feed.



V002\_10\_10\_010

  
motan®

 think materials management

  
motan®



### SPECTROCOLOR V

The SPECTROCOLOR V doses and mixes volumetrically up to six materials in the gravity mixing hopper, either as a central mixing station or mounted on the feed throat of the processing machine.

If the material level falls below the sensor, the level sensor in the gravity mixing hopper sends a signal to activate the dosing screws which operate simultaneously and in the preset weight ratio.

The cleaning of the SPECTROCOLOR V is easy - no tools are required.

### MB COLOR

The MB COLOR is designed for direct installation on the feed throat of the processing machine. Up to three materials in granular form can be added to the free-flowing main material. The flow of the main material in the mixing channel is split into smaller streams.

The additives are dosed in the void below the mixing cruciform. Directly above the feed throat, the materials flow together ensuring homogeneous mixing.

The simultaneously operating dosing screws are started via a contact from the machine.

### Modular design

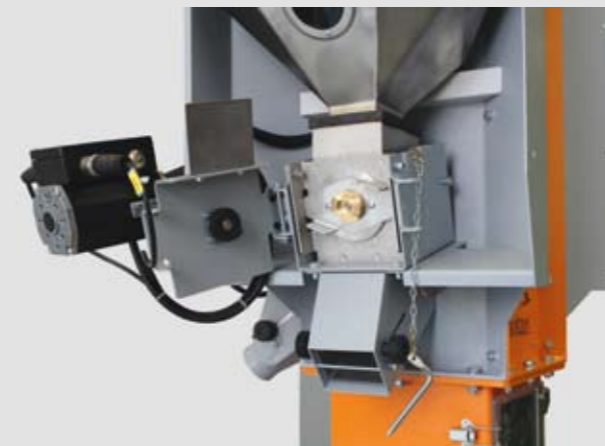
Due to the modular design of the SPECTROCOLOR V and MB COLOR, the supply hoppers and dosing heads can be removed without tools. Therefore, cleaning and quick change-over to other materials is easy.

Depending on the application, different dosing elements with different screw sizes and hopper sizes are available.

### Dosing head and supply hopper

The inclined dosing heads avoid material trickle due to movement of the processing machine. For cleaning, the dosing screw is simply removed. The dosing drive can be fixed while changing the screws and hoppers. This simplifies handling for the user. The dosing screws are supported at one end. Thus, material jams at the screw discharge are avoided. The quick-change system for dosing screws ensures that the dosing head suits different throughputs and materials.

No tools are needed to remove the stainless steel supply hoppers. Therefore, cleaning is no longer a problem.



# SPECTROCOLOR V MB COLOR

### VOLUnet control

- Easy to understand instruction on the touch screen
- Ethernet compatible, therefore easy to integrate into motan's CONTROLnet
- Up to 50 recipes possible
- Recording (recipe report, shift report)
- When used in combination with the GRAVIflow weigh bin the actual throughput (kg/h) and cumulated throughput quantities since production start (kg) and summary alarms can be displayed.
- Convey control as option for 7 hopper loaders and 2 blowers or alternatively 1 blower and 1 standby blower; further options through interprocess communication.

### Performance data

Screw type	Bulk density	Dosing capacity (kg/h) i=24:1
G1S	0,8 (kg/dm <sup>3</sup> )	0,04 - 3,6
G2S		0,4 - 26,7
G3S		0,8 - 48,0
G4S	0,6 (kg/dm <sup>3</sup> )	1,5 - 105
G5S		3,0 - 195
G12S		0,02 - 3,0
G26S/L		1,0 - 70
G52S/L		8,0 - 510
G78L		32,0 - 1950

The performance range depends on the bulk density and flow properties of the granulate.