

Volumetric Dosers

The SCM series volumetric dosers are suitable for auto-proportional mixing of new material, regrind, master batch and additives. A brushless DC motor is used in this series. The microprocessor accurately controls rotation of the high precise dosing screws to squeeze out materials with an accuracy of $\pm 1\%$ from set point. A gear motor with deceleration ratio of 30:1 or 75:1 is coupled to a dosing screw of 12, 14 or 16mm diameter to give a total of six models with output ranging from 0.1 to 38 kg/hr. Double color doser can be supplied to match with two single color doser if required by clients.

Features:

- Everlasting data memorizer and settings storage.
- Use brushless DC motor and free from maintenance.
- Microprocessor control, intelligent and accurate in calculation.
- External signals can be directly interfaced with the control box.
- Dosing screws are chrome plated for durability.
- Unit is comprised of standard modules for ease of cleaning, disassembly and interchangeability.
- Three-tubes hopper magnet is equipped at the base of the Single color doser to absorb metal impurities so to prevent the screw of moulding machine from damage.
- Mixer base is an option for single color volumetric mixer, also need to match with the optional control box that has mixing control function to make a evenly mixing.
- Blender built-in is a standard accessory for double color doser and it can meet clients' need for double blending.
- Main material hopper is a standard accessory for double color doser. It is optional for single color doser.



SCM30-16 Single Color Doser



SCM-D-30/30 Single Color Doser

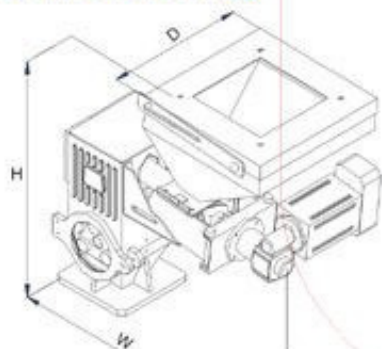
Specifications

Model	Single Color						Double Color		
	SCM30-16	SCM30-14	SCM30-12	SCM75-16	SCM75-14	SCM75-12	SCM-D-30/30	SCM-D-30/75	SCM-D-75/75
Output Capacity (kg/hr)	1.1 - 38	0.6 - 20	0.3 - 10	0.5 - 17	0.2 - 8	0.1 - 4	*	*	*
Motor Power (w) (50/60Hz)	60	60	60	60	60	60	60 x 2	60 x 2	60 x 2
Motor Speed (rpm)	0-3000	0-3000	0-3000	0-3000	0-3000	0-3000	0-3000	0-3000	0-3000
Storage Bin (L)	10	10	10	10	10	10	10	10	10
Gear Ratio	30:1	30:1	30:1	75:1	75:1	75:1	30:1 / 30:1	30:1 / 75:1	75:1 / 75:1
Screw External dia. (mm)	16	14	12	16	14	12	**	**	**
Main Material Hopper	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard
Blender	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard
Output Power Of The Blender	0.09KW						0.09KW		
Power Of The Blender	3 Φ , 230/400/460/575V, 50/60Hz						3 Φ , 230/400/460/575V, 50/60Hz		
Main Power	1 Φ , 115/230V, 50/60Hz						1 Φ , 115/230V, 50/60Hz		
Dimensions									
H (mm)	520	520	520	520	520	520	600	600	600
W (mm)	590	590	590	590	590	590	1000	1000	1000
D (mm)	355	355	355	355	355	355	355	355	355
Weight (kg)	16	16	16	16	16	16	33	33	33

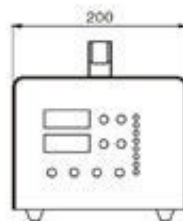
Note: 1) * means the output capacity is depend on model that client selects, data of single color doser can be a reference.
 For example: SCM-D-30-16/30-14, output capacity 1.7~58 kg/hr
 2) ** stands for the external dia. of the screw is up to client's model choice
 3) All the output capacity from above models is base on the data from density 1.2 ,dia 2~3mm color grind in a test criteria of continuous running.

We reserve the right to change specifications without prior notice.

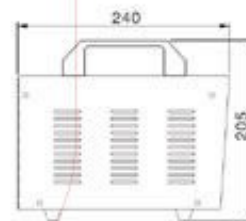
Outline Drawing



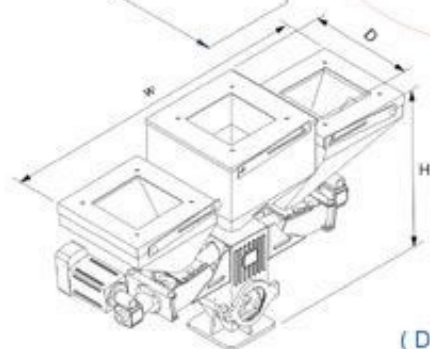
(Single color doser)



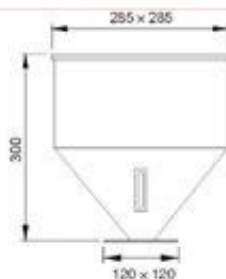
(Front picture of control case)



(Side picture of control case)



(Double color doser)



(Ichnography of main material hopper)



(Ichnography of subordinate material hopper)



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