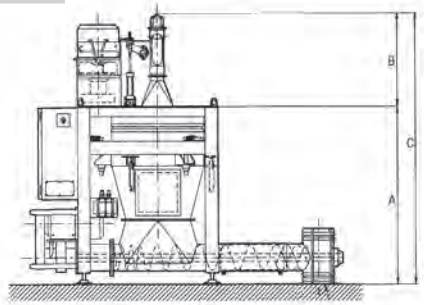
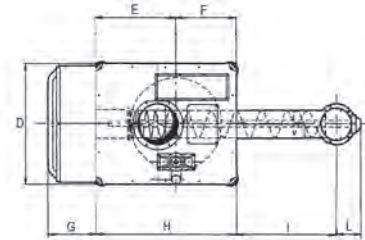
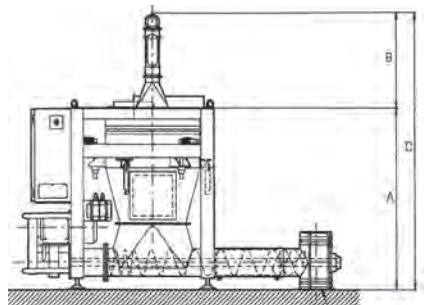


Electronic Loss in weight weigher for floury products

F



S



Dimensions in mm

	A	B	C	D	E	F	G	H	I	L
FCM 5S	945	581	1526	668	399	413	260	812	387	163
FCM 5F	945	581	1526	668	129	683	260	812	387	163
FCM10S	1105	581	1686	750	394	496	303	890	629	155
FCM10F	1105	581	1686	750	135	755	303	890	629	155
FCM 30S	1300	641	1941	850	433	567	355	1000	841	175
FCM 30F	1300	641	1941	850	137	863	355	1000	841	175

	Minimum Capacity	Maximum Capacity	Weighing Hopper volume	Installed Power (kW)	Air consumption at 6 Bar Nl/min	Aspiration required	Weight Kg
FCM 2	0,08 m ³ /h	2,40 m ³ /h	30 Liters	1,25 ÷ 4,25	10,5 ÷ 13,5	4 m ³ /min	105
FCM 5	0,20 m ³ /h	10,00 m ³ /h	90 Liters	1,25 ÷ 4,25	10,5 ÷ 13,5	4 m ³ /min	310 ÷ 355
FCM 10	0,40 m ³ /h	20,00 m ³ /h	120 Liters	1,60 ÷ 4,60	12,8 ÷ 18,0	4 m ³ /min	345 ÷ 390
FCM 30	1,60 m ³ /h	60,00 m ³ /h	240 Liters	2,50 ÷ 5,50	13,1 ÷ 18,2	4 m ³ /min	345 ÷ 390

Technical features of the equipment can be modified without any obligation of notice
Data may be not fully in accordance with market version.

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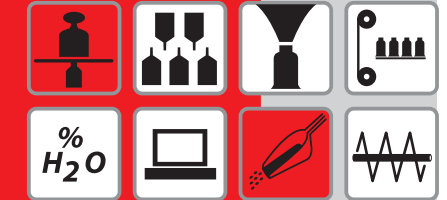
Via Amedeo Tonani, 4/b
26030 Malagnino - Cremona - Italia

Tel. + 39.0372.49.68.26
Fax +39.0372.49.68.47

info@imeco.org www.imeco.org

FCM

BLENDING
WEIGHING / DOSING



FCM

Electronic Loss in weight weigher
for floury products

FCM

effegielle



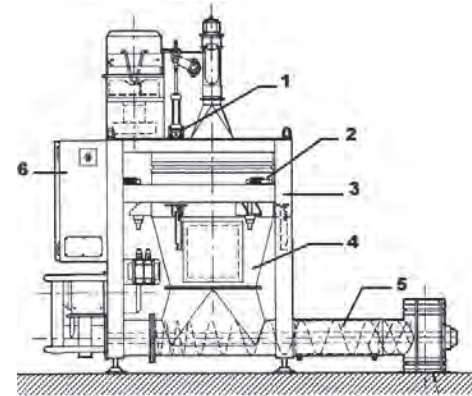
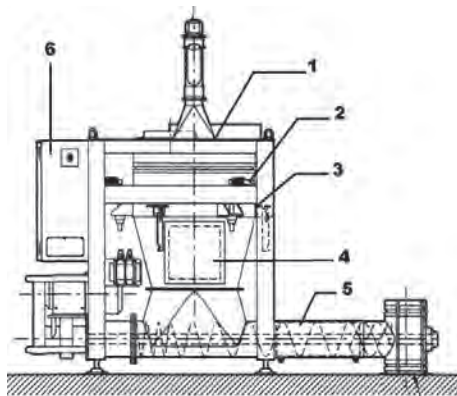
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CONCEPTION

Electronic loss in weight weigher Mod. FCM, is essentially composed of:

1	Feeding system (turbine or simple slide gate)
2	Load cells
3	Support frame
4	Weighing hopper on load cells
5	Extracting Auger
6	Electrical operator panel complete with microcomputer and inverter



PURPOSE OF THE MACHINE

The FCM (Flour Continuous Meter) is a loss in weight flow regulator; it was designed to guarantee a constant capacity erogation for floury products that are used in blending system.

The demanded peculiar characteristics in blending application are the precision and accuracy for Capacity erogation (to guarantee the best blend): for this reason the FCM executes an automatic control and regulation on capacity that was erogated.

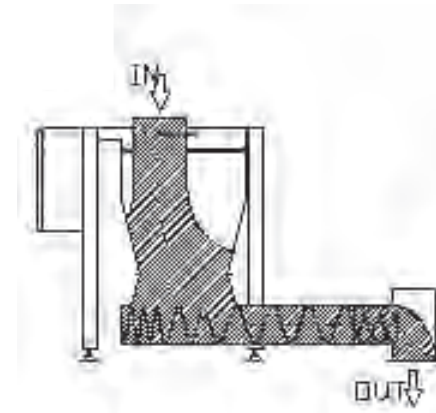


OPERATION PRINCIPLE

The operation of the machine is based on the proportionality between the distributed capacity and the speed of the extraction auger.

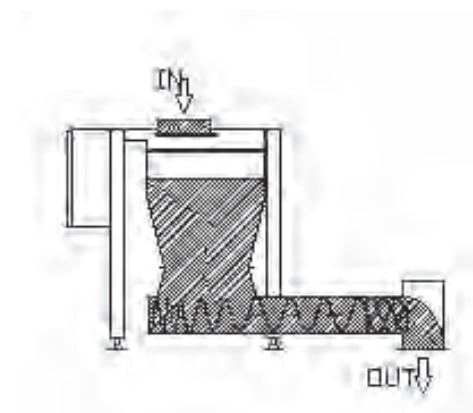
PHASE 1

Filling of the weighing hopper until to the attainment of level HC



PHASE 2

Emptying of the weighing hopper until to the attainment of level LC



The FCM microcomputers, using the readings of weight on the load cells and the measure of the times between a reading and the succeded, calculates the effective discharge capacity. The microcomputer command and check eventually maneuvers on output device (AUGER) in order to become the effective capacity equal to the demand capacity.

ACCURACY & RELIABILITY



The careful design, the use of three load cells and a sophisticated electronics on board, assure high precision and reliability.