MEKA

CONCRETE BATCHING PLANTS

FIBER DOSING SYSTEMS

FULLY AUTOMATIC EQUIPMENT FOR STEEL & POLYPROPYLENE FIBER

The Choice of Professionals

Meka Fiber Dosing Systems

Function

The doser is filled with steel fiber from paper bags, boxes or big-bags. The desired batch, in kg, is set on a weighing instrument or in the batch plant computer. The fibers are fed on to aggregates belts, into the mixer, into the skip hoist, in the weighing bins, into the mixer discharge chute or into the truck mixer.

Feeding capacity and tray content

The capacity in kg/min varies depending on type of fibre as well as fibre level in the doser. The doser capacity in kg, varies also depending on the type of fibre. The dosers are suitable for dosing of loose steel fibres with L/D of max 50 or all types of glued steel fibres.

Weighing / Control system

The fiber dosers are mounted on load cells. We use negative weighing with two options of control systems. The control system type 1 is a complete system with integrated weighing automation. The control system type 2 is used for total integration of the unit into the concrete mixing computer system. With the control system type 2, start and stop of the doser is controlled by the mixing computer. The accuracy for normal batches is ± 1.0 -2.0 %. The accuracy is fibre dependent.

Power supply

In standard execution, the dosers are built for 400V / 3ph / 50Hz. Dosers adapted for other voltages and frequencies can be supplied upon demand.

Installation and start-up

The units are delivered ready for a quick installation and instant connection. The bigger units can be mounted on concrete foundations or, if in a steel construction, preferably with a ~6 tons counter weight.

Advantages of using ***Fiber reinforced*** *concrete*

- Provides strong concrete for lower costs
- Is a good alternative to steel rebar
- Less corrosion with steel and no corrosion with plastic
- Improved tear/tensile strength
- Provides crack resistance

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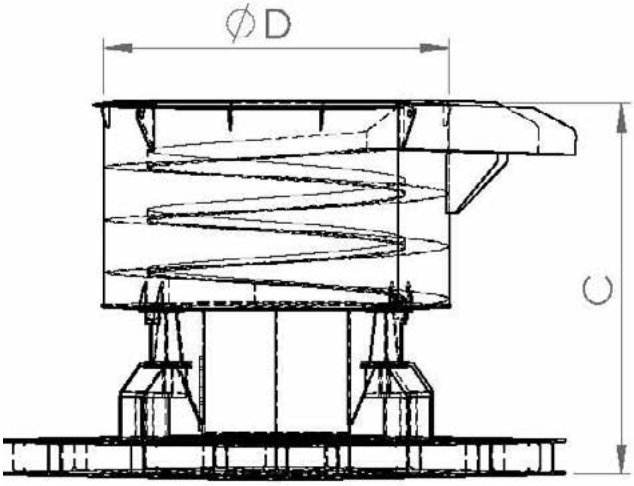
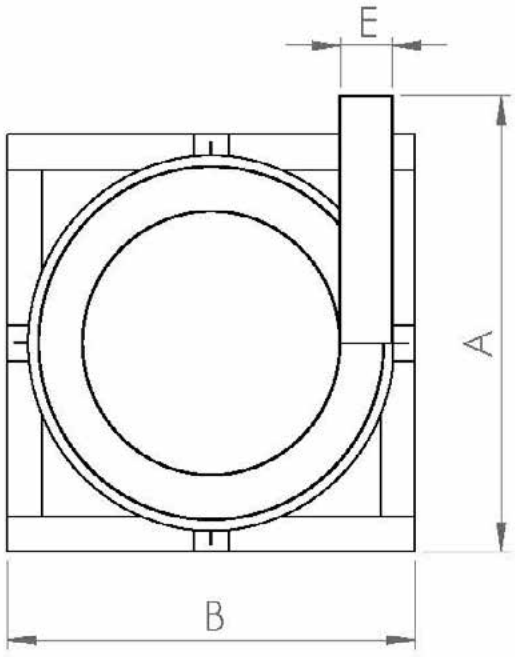
Additional Equipment

1- Platform of Fiber Feeder
2- Fiber Feeder
3- Transportation Conveyor of Fiber Feeder





Technical Specifications

Model	A mm	B mm	C mm	D mm	E mm	Power W	Weight kg	Capacity Kg/min*	Doser Content Litre**
MFD 1000	2490	2170	1935	1800	300	3920	1200	40-150	1000
MFD 2000	2590	2370	2370	2000	300	3920	1450	40-150	2000

* The capacity varies depending on the type of fiber
**Theoretical volume. The doser content in kg varies depending on type of fiber

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About Meka

MEKA is a professional enterprise focused only on manufacturing of concrete batching plants. Being a fast-growing Turkish manufacturer that provides a complete scope of services such as identifying its customer's needs, project planning, design, engineering, production, quality control, commissioning, personnel training and after-sales support, MEKA is on its way to becoming a global brand.

MEKA is committed to the principle of perfection in all its products and services presented to its customers. Providing its customers with information before sales, conducting a need analysis and after-sales support are all the services given within the framework of the principle of perfection, thus making MEKA the "reliable partner" of its customers.

MEKA: Leader in Europe In Terms of Manufacturing Force

MEKA is progressing with strong steps towards becoming a global leader with 300 personnel, 30 engineers and 3 anufacturing facilities (at Ostim/Ankara – 5.000 m², Temelli/ Ankara- 18.000 m², Eskisehir – 30.000 m²) equipped with advanced technological infrastructure providing its annual production capacity of 250 concrete batching plants.

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