

MEKA FIBER DOSING SYSTEMS

FULLY AUTOMATIC EQUIPMENT FOR STEEL & POLYPROPYLENE FIBER



FIBER DOSING SYSTEM

TECNHICAL SPECIFICATIONS

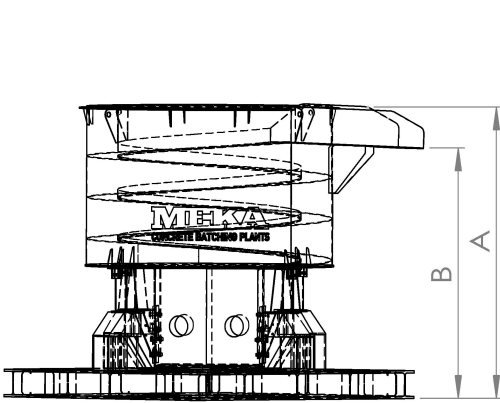


Figure 1

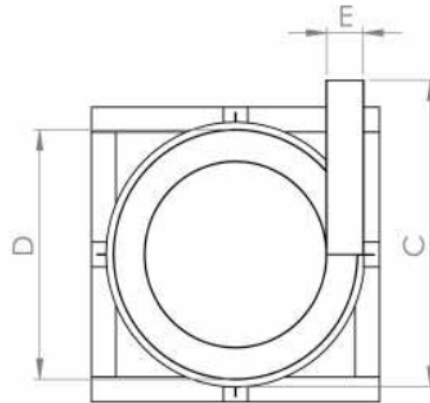


Figure 2



Figure 3

Steel Fiber Dosing Data;

Model	A mm	B mm	C mm	D mm	E mm	Power W	Weight kg	Capacity Kg/min*	Doser Content Litre**
MFD 18	1485	1880	2320	1800	250	3920	1200	40-150	1000
MFD 20	2050	2345	2465	2000	250	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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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.

Power supply

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

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 $\pm 1.0 - 2.0 \%$. The accuracy is fibre dependent.

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.

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ADDITIONAL EQUIPMENTS



1. PLATFORM OF FIBER FEEDER
2. FIBER FEEDER
3. TRANSPORTATION CONVEYOR OF FIBER FEEDER