

fibo intercon

Dosing station



Your partner in concrete solutions



When climate and infrastructure make special demands



A self-sufficient, mobile concrete factory

This dosing station doses aggregates at temperatures as high as 30-60 °C. It has its own water tank and generating set, which makes it suitable for work in arid, isolated desert areas. It is also ideal in areas where the combination of heat and traffic problems may be detrimental to the batching process.

The dosing station is a flexible solution which is easy to erect. All you have to do is connect electricity, water and any other equipment, and fill sand and gravel in the hoppers. It is also easy to stow away all units and transport them to new building projects.

The station consists of a trailer unit, a dosing unit and a belt conveyor. The trailer unit consists of a generating set, a water tank and a 30 M³ cement silo. The dosing unit consists of a twin hopper, a weighing silo on load cells and an integrated operating system. The operating system includes a number of recipes. When a recipe has been chosen, cement, sand and gravel are transferred to the weighing silo.

Before the belt conveyor carries the aggregates into the concrete mixer truck, the operating system and the load cells under the weighing silo check that the mixing ratio is correct. The dosing sta-

tion also transfers water to a separate container on the concrete mixer truck. The aggregates are thus not in contact with any liquid before the operator lets water into the concrete mixer approximately 10-20 minutes before arriving at the building site.

A dosing station is a profitable investment which will soon pay for itself and return a profit. All wearing parts are produced in robust materials and can be replaced separately, which minimises operating costs. There is free access to all of the plant functions, facilitating daily cleaning, maintenance and service.

Options

The dosing station may be delivered with a number of options, e.g. high-pressure cleaner, remote control, additive pump and crew container.

The dosing unit could be replaced by a mobile concrete batching plant, e.g. our B1200 or M2200.

Technical specifications of the dosing station:

Model		Dosing station
Capacity	M ³ /hour	40-45
Cement silo	M ³	30
Generating set	KW	60
Water tank	L	5000
Hoppers for aggregates in the dosing unit	pcs	2 x 3.5 M ³
Trailer unit dimensions (W x H x L)	M	2.5 x 4.0 x 13.6
Dosing unit dimensions (W x H x L)	M	2.5 x 3.1 x 6.9 (may be transported in a closed container)
Total weight	kg	20,000



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1 Generating set

60 kW generating set with four-cylinder water-cooled diesel generator. Mounted in a sound-absorbing cabinet.

3 Cement silo with air nozzles and vibrators

Mounted on a frame. Complete with injection, cover for filling of cement, automatic self-cleaning filter, cement auger, safety valve and ladder. Also equipped with air nozzles and vibrators to prevent cement particles from sticking together.

5 Dosing unit

Integrated twin hopper for two types of aggregate. Each hopper compartment holds 3.5 M³. Two separate feed belts for dosing of aggregates. 3 M³ weighing silo with discharge belt.

2 Trailer

13.6 M trailer mounted on two axles with twin wheels and support legs. Fully equipped with brakes and light. The trailer unit is approved for a speed of 80 km/hour.

4 Water tank and compressor

5000 litre water tank with pumps and level indicators. An air compressor is mounted on the back of the water tank to supply the air nozzles on the sides of the cement silo.

6 Load cells

The weighing silo is placed on three 5000 kg electronic load cells with an accuracy of +/- 0.5%.



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7 Flow meter

Parallel dosing of water and aggregates for reduced cycle time and reduced energy consumption. Water is dosed directly into a container on the concrete mixer truck.

8 Operating system with thermal printer

Possibility of manual, semi-automatic and automatic operation and PC interface. No previous knowledge required and can be delivered with the language version desired. Stores 60 recipes. Dosing accuracy: +/- 0.5-2%.

9 Belt conveyor

The accompanying belt conveyor is delivered with standard dimensions 1 x 12 M and a discharge height of 3.8 M.

Present all over the world

Over the years, we have been developing and delivering quality solutions to customers all over the world. The products delivered have ranged from standard batching plants to unique customised solutions, and our batching plants have been used for both small and large-scale building projects.

fibo intercon strives to provide quick and competent service. We have therefore developed our own representative network in several countries, and our service technicians are ready to go to your place and help you with the installation and servicing of your batching plants and with the training of your employees.

Iraq

Dosing station in the Iraqi desert, where it is used for establishing irrigation canals.



Iraq

The dosing station is also used for closing oil wells and for pouring foundations for new oil drillings.



Flexibility and productivity

Many years' experience has made fibo intercon a leading supplier to the global concrete industry.

We manufacture and deliver both mobile, semi-mobile and stationary concrete batching plants as well as production equipment and complete production systems. In our production, we only use state of the art technologies and methods to ensure our customers the best quality, efficiency and reliability.

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