

# **fibo intercon**

## Mobile concrete batching plant VIKING



Your partner in concrete solutions



**fibo intercon**

# Focus on economies of scale, flexibility and high quality concrete



## Large amounts of concrete in a few hours

This mobile batching plant is assembled on a common twinaxles 13.6 M step frame semi trailer. The standard VIKING is delivered with a large integrated twin hopper for aggregates in the back, preweighing of cement, water and additives and a smaller twin hopper in the front.

As the installation of the hoppers is carried out using standard container locks, it is possible to switch the front hopper with eg. a generating set, a boiler or a control room.

The powerful counter flow mixer is equipped with robust mixing arms, turn able mixing shovels and side scrapers providing a short cycle time and a high, uniform concrete quality. A high quality is also ensured by the web based control system which controls and monitors all processes and connected equipment, for instance, an in-line modular silo, horizontal cement silos and/or belt conveyors.

Park the plant on the site - and start the mixer. With a minimum of preparation

and supply of sand, gravel and cement: you are ready for your concrete production. The capacity of 30-60 M<sup>3</sup>/hour makes it possible to mix large amounts of concrete in just 3-6 hours.

VIKING 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 and equipment

VIKING can be delivered with a wide range of options, including enlarged silo sides for hoppers, integrated hopper for one type of aggregate, additional hopper for aggregates, pre-weighing of cement, additional water pump, water heater, additional additive pump,

air compressor, vibrators, toolbox and remote control. The plant may also be combined with equipment such as belt conveyors, cement silos, big bag silos and cement augers (this equipment is described in separate data sheets).

## Technical specifications of VIKING:

Volume (gross/net)	L	2,250/1,500	Pre-weighing of cement	M <sup>3</sup>	0.6
Capacity	M <sup>3</sup> /hour	30-60	Pre-weighing of water	L	400
Motor	KW	75	Pre-weighing of additives	L	2 x 10
Load cells	pcs	3 x 5,000 kg	Pre-weighing of additives	L	1 x 15
Mixing arms/side scrapers	pcs	4 / 1			
Aggregate hopper front	pcs	2 x 6 M <sup>3</sup>	Dimensions (W x H x L)	M	3 x 4 x 13.6
Aggregate hopper back	pcs	2 x 12 M <sup>3</sup>	Weight	kg	22,000
Water tank	L	4,000			



### 1 Bogie trailer

The batching plant is assembled on a common 2-axle, 13.6 M step frame semi trailer, where the hoppers are installed with standard container locks.

### 2 Counterflow mixer

Counterflow mixer with bottom and enclosure wearing plates in Hardox steel. Equipped with gear motor for optimised effect, hydraulic opening, inlet for cement auger and inspection hatches.

### 3 Hoppers

Two integrated twin hoppers for 2 x 2 types of aggregate. Each hopper holds respectively 2 x 6 M<sup>3</sup> and 2 x 12 M<sup>3</sup>. Made in Hardox 450 steel with reinforced corners. 2 x 2 separate feed belts for dosing of aggregates.

### 4 Mixing arms and side scrapers

The mixer is equipped with two robust mixing arms, turn able mixing shovels and side scraper.

### 5 Load cells

The counterflow mixer is placed on three 5,000 kg electronic load cells with an accuracy of +/- 0.5%.

### 6 Discharge

Possibility of manual, semi-automatic and automatic discharge. Complete with over-load protection and position sensor.



### 7 Pre-weighing of cement

Pre-weighing of cement assembled in a complete frame construction. Equipped with three load cells, inlet for cement auger, vibrator and pneumatically operated discharge gate.

### 8 Water pump

Parallel dosing of water and aggregates for reduced cycle time and pan mixer wear and reduced energy consumption.

### 9 Pre-weighing of water

Pre-weighing of water assembled in a complete frame construction. Equipped with three load cells and pneumatically operated discharge gate.



**10 Additive pump**

The additive pump is designed for the addition of liquid additives. Chemical addition happens by pumping the additives into the chemistry pre-weighing unit.

**11 Pre-weighing of additives**

Pre-weighing of additives assembled in a complete frame construction. Possibility of three types of additives. Equipped with three load cells and pneumatically operated discharge gate. Individual flush of the additive containers.

**12 Equipment**

The standard VIKING is delivered with air compressor and high-pressure cleaner.

**Göteborg, Sweden**

VIKING with belt conveyor and vertical cement silo. The batching plant mixes concrete for a sports stadium project in Göteborg.



**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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