

MACHINE FOR DELIVERY OF POLYSTYRENE CONCRETE - PsB

Type: M 1000 with GB xxx/p

Data Sheet No. 015.1

Equipment for production and delivery of lightweight concrete (LC) filled with recycled or virgin polystyrene beads — **polystyrene concrete (PsB)**.
With cooperation with a SIRCONTEC foam generators FGB or FGX it can also be used for foam concrete (PBG) production.

Individual parts of the machine can be handled separately on travelling wheels.

Dosing of all components and mixing process is carried out by an operator.



Use: The machine is designed for production of PsB right in the construction site or in the production plant. It is designed for production of PsB with a fresh density of up to 800 kg/m³. Higher densities can be produced when decreasing the volume of the batch.

The dosing of components and the control of the mixing cycle is carried out manually.
For dosing of binding agent it is recommended to use a screw conveyor.

Main parts: Mixer M 1000, lightweight concrete pump GB xxx - optional, delivery hoses, accessories.

It includes: 7.5 kW mixer M 1000 and pump GB xxxp:

- Water tank with measuring of the batch water volume
- Central switchboard with control buttons, frequency converter and electric drive protection
- Automatic system for adjusting phase sequence in relation to the power supply mains
- System of smooth start-up of the mixer's electric drive and gradual start-up of the pump (without jerks)
- Charging hopper with bag tearing device
- Protection system for electric drives of connected devices

Technical description:

Machine parameters	Pump type			
	GB 550 M/p	GB 800 M/p	GB 800 L/p	GB 1200 M/p
Installed power input, protection IP 44 [kVA]	12	15	20	20
Effective mixer's volume [l]	1000	1000	1000	1000
Production cycle period (1 m ³ PsB) [min] from	12	9	9	7.5
Production capacity [m ³ /h] approx.	5	6.5	6.5	8
Delivery head for polystyrene concrete [m]	50	24	70	15
Weight of the M 1000 [kg]	350	350	350	350
Weight of the configuration without hoses [kg]	570	590	620	640
Mixer's dimensions (l x w x h) [mm]	1980x1280x1650	1980x1280x1650	1980x1280x1650	1980x1280x1650
Pump's dimensions (l x w x h) [mm]	1700x900x950	1700x850x1150	2200x850x1150	1650 x 850 x 1150
Height of mixer's hopper above ground [mm]	from 1180	from 1180	from 1180	from 1180

Note:

Blending time is affected substantially by a delivery capacity of a screw conveyor delivering dry components to a blender or by a capacity of operators to dose those components to a blender manually.

Transport: In the loading space of a vehicle incl. all accessories. Handling wheels of the main parts serve only for setting in the working position.

Operation: Ambient temperature: -5 – +40 °C
Electric supply : 400 V/50 Hz, 5-pin connection, protection (A) min. 2 x 32 A
Water supply: min. 3/4", capacity min. 0.7 l/sec
Access road for: vehicle with trailer, light truck
Necessary compacted area: approx. 5 x 3 m

Safety: The design of M 1000 equipment complies with applicable safety regulations and standards valid in the EU.

Validity from 01.11.2014