

LIGHTWEIGHT CONCRETE DELIVERY PUMPS

Type: GB 550, 800, 1200

Data Sheet No. 014.1

A GB series screw pump is designed for delivery of lightweight concrete (LC) with technical foam based (PBG) or recycled polystyrene filler (PsB) and for delivery of liquid or pasty mixtures not containing abrasive additives.

The pump is installed on a separate handling chassis — see the photo or as a part of the MS 1000 system.

Use:

The LC pump in the GB 800M version is a standard part of the MS 1000 system.

If higher requirements for pumping parameters are to be met, a more powerful pump on a separate chassis can also be connected to MS 1000 — see the photo.

The pump on the separate chassis is controlled manually and it also has its own power supply with a separate fusing.



Parts: Body, suction chamber, stator part with rotor and electric drive with transmission and chassis – type “p”.
The electric motor can be equipped with a brake.

Specification:

Type of GB 550 pump	GB 550 M/p
Installed power:	5.5 kW
Delivery capacity:	up to 5 m ³ /hr
Delivery head – PBG / PsB*:	up to 55 m / up to 50* m
Maximum output pressure:	14 bar
Dimensions l x w x h:	1 900 x 900 x 950 mm
Weight from:	220 kg

Types of GB 800 pumps	GB 800 M/p	GB 800 L/p
Installed power:	7.5 kW	11 kW
Delivery capacity:	up to 15 m ³ /hr	up to 15 m ³ /hr
Delivery head – PBG / PsB*:	up to 75+** m / up to 23* m	up to 100+** m / up to 70* m
Maximum output pressure:	8 bar	12-15 bar / 300-200 rpm
Dimensions l x w x h:	2 200 x 850 x 1 150 mm	2 200 x 850 x 1 150 mm
Weight from:	240 kg	270 kg

Type of GB 1200 pump	GB 1200 M/p
Installed power:	7.5-11 kW
Delivery capacity:	up to 28 m ³ /hr
Delivery head – PBG / PsB*:	up to 40 m / up to 14* m
Maximum output pressure:	4-8 bar
Dimensions l x w x h:	1 650 x 850 x 1 150 mm
Weight from:	290 kg

* the delivery head depends on the consistency and the length of hoses

** please advise the requirements on delivery heads exceeding 60 meters in order to specify pumps properly

Transport: Integrated in MS 1000 on a homologised chassis or on a vehicle.
Separate on a suitable vehicle.

Operation:

- 1. Start up:**
Follow the Operation and Maintenance Manual.
- 2. Operation:**
Pumps can be operated separately or automatically via the MS 1000 control unit. They can operate at temperature above 0°C. The pump must be protected against dry run – which results in a shorter service life of a stator.
- 3. End of operation:**
After the end of work, the pump is cleaned from grout residues according to instructions in the Operation and Maintenance Manual.

Site conditions:

Power supply: 3 x 400 V/ 50 Hz, fusing depending on the electric drive type
Access: access road must be suitable for light vehicles and permanently accessible
Required area: about 2 x 2 m, without an area for a silo and MS 1000

Safety: The equipment complies with current EU regulations and standards.
Electric installation is in a five-pin version with a current protective switch.

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