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Application areas:

- Production of foamed concrete
- Production of mineral foam
- Production of light levelling mortar
- Cavity filling
- Production of foamed screed
- Production of foamed concrete blocks
- Production of mineral insulation

Technical Data / Performance Data ¹⁾

Mixing capacity ^{1,2)}	5,0 – 10,0 = 83 – 167	m ³ /h l/min	adjustable
Density wet ^{1,2)}	approx. 200 - 700	kg/m ³	
Density dry ^{1,3)}	ca. 150 - 600	kg/m ³	
Output foam generator ^{1,2)}	80 - 180	l/min	adjustable
Foam density ^{1,2)}	30 - 80	kg/m ³	adjustable
Foaming agent rate	0,5 – 4,0	%	manuell adjustable
Water consumption	max. 15	l/min	
Slurry demand ⁴⁾	max. 60	l/min	
Water connection	GEKA claw- coupling	1" (DN25)	
Connection transport hose (foam concrete)	Storz C	2" standard coupling DIN14307 (DN50)	
Power connection	16 A,	CEE-plug 5- pole with phase inverter	
Power input	max. 6,4	kW	
Voltage	400	V; 50 Hz	
Transport dimensions	1,5 x 1,8 x 0,9	m	L x W x H
Weight	ca. 400	kg	

¹⁾The indicated values are non-binding guide values. Depending on the material properties of the mixture components, difference of the density (mixing components) and the rheological properties of the mixed product, the results may differ significantly from the standard values.

²⁾The indicated maximum mixing power range is not retrievable over the entire range of density.

³⁾The indicated dry bulk densities depend on the source materials and their water binding characteristic, the formula, the processing, as well as the drying, and can differ considerably.

⁴⁾The dosing pump is not part of the foamed concrete mixer, GERTEC offers separately the pump for slurry processing.

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Description:

The foamed concrete mixer SBM-10-E is a compact, continuously working foamed concrete mixer to produce foamed concrete / mineral foam. In a closed system, a fine-pored foam is produced from a mixture of water, foaming agent, and air. The foam is directly mixed with the slurry in a special designed speed-variable foamed concrete mixer. The foamed concrete mixer prevents external air from penetrating into the mixing process and makes use of the large differences in density, between foam and slurry during the mixing. The unique mixing principle makes it possible to produce light to medium-heavy foamed concretes / mineral foams in an impressive quality, reproducibly and continuously.

For the operation of the foamed concrete mixer SBM-10-E the electrical connection with the grout plant IS-35-EF-VA (alternatively IS-35-EA-VA) is necessary, because the delivery rate of the slurry have to be continuously adjustable.

The mixing of the slurry (e.g. cement paste) is not part of the foamed concrete mixer SBM-10-E. GERTEC offers special slurry mixer / grout plants for this purpose.

Features:

- ✓ **Foam generator** incl. pressure indicator 0-10 bar
- ✓ **Foam water dosage** with booster pump, pressure switch, manually operated control valve, inductive flowmeter, electrically operated shut-off valve
- ✓ **Proportional dosage system** for 0,5 – 4,0 % foaming agent, adjustable
- ✓ **Pressurised air batcher** incl. compressor, pressure reducer, electrically operated control valve, electrically operated flowmeter, water trap, membrane dryer
- ✓ **Foamed concrete mixer** rpm adjustable (frequency convertor)
- ✓ **Double flap** manual (switch: foamed concrete, cleaning)
- ✓ **Steel base frame** with central lifting eye; suitable seats for forklift and pallet truck handling; lashing eyes for transport lock
- ✓ **electrical function and power control** with touch panel including mixer visualization, formula management, service and operating parameters
- ✓ **Transport hose** (cement paste) grout plant - foamed concrete mixer 10m (standard)
- ✓ **Backfill hose DN 50 – 10 m**
- ✓ **Standard cleaning accessory**

Accessory (not included in delivery):

- ✓ Foamed concrete hoses
- ✓ Measurement quality management
- ✓ Cleaning hose

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