

FOAM GENERATOR

Type: FGX 8 and **FGX 10**

Data Sheet No. 012.1

A device for continuous production of technical foam and its accurate dosing with Start-Stop system.
The preset technical foam parameters are not influenced by fluctuation of input water pressure or by temporary electric power outage.

FGX 8 illustration:

Utilization: This device is determined for production of technical foam for incorporation into cement matrix.

FGX is designed to operate in automatic mode while the foam parameters can be adjusted in a wide range.

Parts: Continuous foam generator, compressor, water tank, pump, and switchboard with control panel and protection of electric drives. The parts are fixed on the chassis (trailer).



- It includes:**
- System of automatic foam concentrate dosing with pre-set concentration
 - System of simple calibration and archiving of the performed operations
 - Automatic monitoring system for the minimum volume / level of the foaming agent in the storage tank
 - Compressed air supply system
 - System of protection of the water pump against idle run
 - Inlet water filter
 - Source of pressurized water system including a water tank with monitoring of the minimum water volume
 - Central switchboard with touch screen
 - Control unit for accurate foam dosing with memory for the case of electric power outage
 - Remote control
 - Signalling of the device's status during operation
 - Hose for water, foaming agent and for foam
 - Electric power supply cable

Technical data of FGX 8 / FGX 10 :

FGX can be controlled by switchboard touch screen or by the remote control in the place of mixing

Supply voltage:	400 V, 50 Hz; protection class IP 44 (sprayed water)
Installed power input:	from 13.5* / 27.5* kVA
Compressor capacity:	min. 850* / 1000* l/min
Technical foam density range:	from 40 to 200 g/l
Production capacity continuous:	min. 8* / 10* l/s
Technical foam concentration range:	from 1 to 5 %
Adjustable foam dispensing time:	from 1 to 20,000 litres
Outer dimensions – l x w x h:	3390 x 1600 x 1540 mm
Weight itself with accessories:	from 490* / 630* kg
Chassis payload with FGX	50* kg
Water supply:	min. 3/4" with capacity min. 2 l/s

* depends on the specific design

Transport: Towed by suitable means of transport; the trailer of FGX 8 / FGX 10 is unbraked / braked, category up to 700 / up to 750kg.

Operation: 1. Putting the device into operation:

Before starting the work, place FGX on a flat surface and connect it to the water and electric supply. After connecting the foam concentrate can/drum, FGX is prepared for production of the technical foam.

2. Operation of the device:

To start each production cycle, FGX operator sets the time on the control unit and gives instructions using controls on the control panel or by the remote control. The operation can be anytime interrupted and resumed from the point of interruption. The device can operate at temperatures above 0°C.

3. Finishing operation of the device:

When the operation is finished, disconnect FGX from technical foam supply, rinse with water and then disconnect it from electricity and water supply.

Before transportation release the pressure air and discharge water from the storage tank.

If it is possible that the surrounding temperature might fall below zero, it is necessary to thoroughly dewater the whole device.

4. Operation requirements:

Electric supply:	400 V, 50 Hz, 5-pin, 32 A
Area necessary:	see Technical data, section "Dimensions"

Safety: Design of the device complies with applicable safety regulations and standards valid in the EU.
Electric installation is made for 5-pin connection with separate protection of installed electric motors.

Validity from 01.08.2021

FOAM GENERATOR

Type: FGX B

Data Sheet No. 012.5

A device for continuous production of technical foam and its accurate dosing with Start-Stop system.
The preset technical foam parameters are not influenced by fluctuation of input water pressure or by temporary electric power outage.

FGX B illustration:



Utilization: This device is determined for production of technical foam for incorporation into cement matrix.
FGX B is designed to operate in automatic mode while the foam parameters can be adjusted in a wide range.

Parts: Continuous foam generator, compressor, water tank, pump, and switchboard with control panel and protection of electric drives. The parts are fixed on a frame with legs or wheels.

- It includes:**
- System of automatic foam concentrate dosing with pre-set concentration
 - Automatic monitoring system for the minimum volume / level of the foaming agent in the storage tank
 - Compressed air supply system
 - Source of pressurized water system including a water tank with monitoring of the minimum water volume
 - System of protection of the water pump against idle run
 - Central switchboard with control buttons
 - Control unit for accurate foam dosing with memory for the case of electric power outage
 - Remote control
 - Hose for water, foaming agent and for foam
 - Electric power supply cable

Technical data:

FGX B can be controlled by switchboard buttons or by the remote control in the place of mixing with cement or sand-cement slurry.

Supply voltage:	400 V / 50 Hz; protection class IP 44 (sprayed water)
Installed power input:	from 10* kVA
Compressor capacity:	up to 850* l/min, min 6 bar (0.6 MPa)
Technical foam density range:	from 40 to 200 g/l
Production capacity continuous (discontinuous):	min 7* l/s at foam densities of 40-100 g/l (up to 15 l/s)
Technical foam concentration range:	from 1 to 5 %
Adjustable foam dispensing time:	from 1 to 9999 sec
Outer dimensions – l x w x h (with wheels):	1210 x 1160 x 1380 mm (1670 mm)
Weight itself with accessories:	to 300* kg
Water supply:	min. 3/4" with capacity min. 2 l/sec

* depends on the specific design

Transport: On a suitable means of transport.

Operation: 1. Putting the device into operation:

Before starting the work, place FGX B on a flat surface and connect it to the water and electric supply. After connecting the foam concentrate can/drum, FGX is prepared for production of the technical foam.

2. Operation of the device:

To start each production cycle, FGX operator sets the time on the control unit and gives instructions using controls on the control panel or by the remote control. The operation can be anytime interrupted and resumed from the point of interruption. The device can operate at temperatures above 0°C.

3. Finishing operation of the device:

When the operation is finished, disconnect FGX from technical foam supply, rinse with water and then disconnect it from electricity and water supply.

Before transportation release the pressure air and discharge water from the storage tank.

If it is possible that the surrounding temperature might fall below zero, it is necessary to thoroughly dewater the whole device.

4. Operation requirements:

Electric supply: 400 V, 50 Hz, 5-pin, 25 B
Area necessary: see Technical data, section "Dimensions"

Safety: Design of the device complies with applicable safety regulations and standards valid in the EU.
Electric installation is made for 5-pin connection with separate protection of installed electric motors.

Validity from 01.09.2014