

Foam Generator

Type: GFM 8

Machine: 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.

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

GFM 8 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 trailer.



GFM 8 illustration

- It includes:**
- System of automatic foam concentrate dosing with preset concentration
 - Simple calibration system and archiving of completed performance
 - 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
 - Filter incoming water
 - Central electric switch board with touch screen
 - Control unit for accurate foam dosing with memory for the case of electric power outage
 - Remote control
 - Signaling device status during operation
 - Hose for water, foaming agent and for foam
 - Electric power supply cable

Technical data:

GFM 8 can be controlled by touch screen or by the remote control.

Supply voltage:	400 V / 50 Hz; protection class IP 44 (sprayed water)
Installed power input:	from 8,4 kW *
Compressor capacity:	up to 850 lit/min *
Technical foam density range:	from 40 to 200 g/lit
Production capacity continuous:	from 8 lit/sec
Technical foam concentration range:	from 1 to 5 %
Adjustable foam dispensing volume:	from 1 to 20.000 ltr
Outer dimensions – l × w × h:	3390 x 1600 x 1540 mm
Weight itself without accessories:	from 490 kg *
Pay load of chassis with	50 kg *
Water supply:	min. 3/4", with capacity min. 2 l/sec

* depends on the version

Transport: Towed by suitable means of transport, trailer is not braked, category up to 700 kg.

Operation: **1. Putting the device into operation:**

Before starting the work, place GFM 8 on a flat surface and connect it to the water and electric supply. After connecting the foam concentrate can/drum, GFM 8 is prepared for production of the technical foam.

2. Operation of the device:

To start each production cycle, GFM 8 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 GFM 8 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 A with fusing C
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 20.2.2023