

PumpX

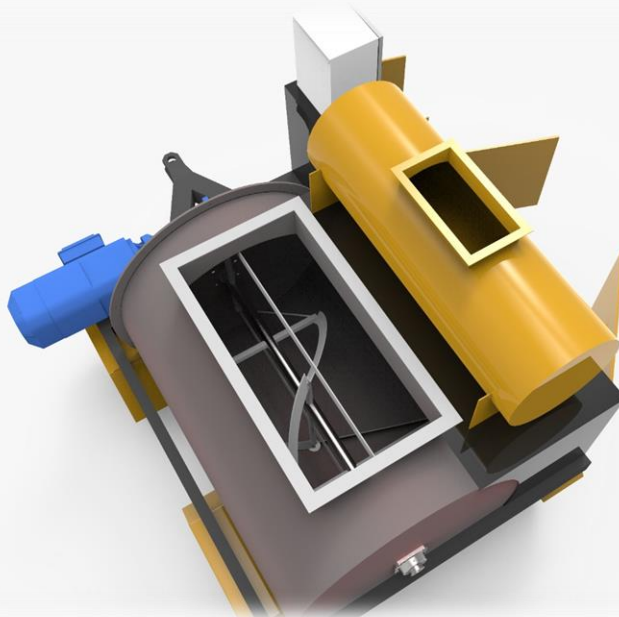
The Latest Most Versatile
Foam Concrete Generator

The FoamX



Principle of Operation

The FoamX mixer is designed based on years of experience in the field of foam concrete (CLC) application carefully eliminating all and any obstacles faced in all the steps of the application process.

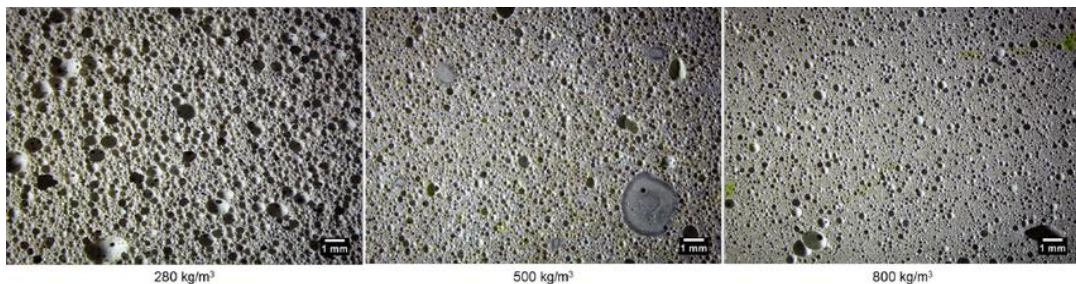


The FoamX mixer has a dedicated foam generation tank where the foaming agent is placed then subjected to carefully calculated amounts of water and compressed air reaching the desired foam specification.

Then the generated foam enters the mixing tank where cement is added (sand too) to reach the indicated desired density based on the intended application and consultant's recommendation.

The **FoamX** can produce foam concrete also know as light weight concrete or cellular light concrete (CLC) with the following densities for various applications:

- Density 200-400 kg/m³ Only Cement & Foam**
 Foamed concrete with these densities is used in roofs and floors for insulation against heat and sound. It is used interspace filling between brickwork in underground walls, insulation in hollow blocks and any other filling situation where high insulating properties are required.
- Density 500-900 kg/m³ Sand, Cement & Foam**
 Used for the manufacture of precast blocks and panels for curtain and partition walls, slabs for false ceilings, thermal insulation and soundproofing screeds in multi-level residential and commercial buildings. Foamed concrete of this density range is also ideal for bulk fill application.
- Density 1000-1400 kg/m³ Sand, Cement & Foam**
 This material is used in concrete blocks and panels for outer leaves of buildings, architectural ornamentation as well as partition walls and floor screeds.



Types of cellular lightweight (foam) concrete	Foam concrete based on the average density Kg/m ³	28 days compressive strength Mpa	Thermal Conductivity W/M.K.
Heat-insulated	400	1	0.1
	500	1.4	0.12
	600	3.5	0.14
Constructional-heat-insulated	700	5	0.18
	800	7	0.21
	1000	10	0.24
Constructional	1100	14	0.34
	1200	17	0.38

FEATURES & BENEFITS

Transportable & Mobile

Easy access to all sites and locations.

Lowest operational cost with fast and easy maintenance

Low power consumption integrated in a sleek design requiring minimal intervention.

Easy Operation

Requires minimum number of workers.

Proper mixing of the medium

Excellent and accurate results with exact densities required providing highest desired performance.

Self-priming with excellent suction & discharge lifts

When integrated with **RoIX RX50F** peristaltic pumps that can self-prime with a suction lift reaching 9.8 meters and discharge vertical lift exceeding 60 meters 10m³/ hour discharge capacity

Long service intervals

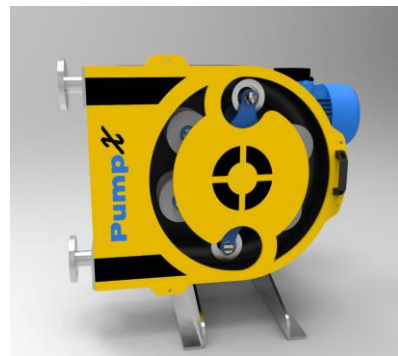
All components have been carefully selected to ensure the best performance with the least service requirements

Long life and greater durability

The **FoamX** range is designed and manufactured for heavy duty industrial use.

Affordable

At an excellent investment cost, the profit could be achieved from the first contract.



FoamX Series

FoamX mixers are the result of extensive research and development by handling and avoiding all problems faced during the application of foam concrete on sites.

FoamX has two standard models; the **FX500** and the **FX1000** as per the below table producing foam concrete with densities up to 1400 kg/m³ but other special models are available based on specific conditions required by construction companies.

For best results and performance we recommend to always use **FoamX** mixers with **PumpX RX Series**.

FoamX mixers works perfectly with all types and brands of foaming agents

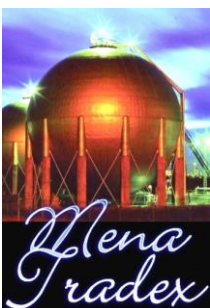


FX500	FX1000
Ergonomic filling of foam and cement in dedicated tanks	Ergonomic filling of foam and cement in dedicated tanks
Air compressor 2 HP, 230V, electric motor	Air compressor 2 HP, 230V, electric motor
QTY (2) Water Pumps 1 HP	QTY (2) Water Pumps 1 HP
Foam generation and storage tank of 200L for continuous operation	Foam generation and storage tank of 200L for continuous operation
Foam concrete preparation tank 500L	Foam concrete preparation tank 1200L
Dedicated water tank 190L	Dedicated water tank 190L
Connected to PumpX RX50F 7.5 HP, 380V, 7.5m ³ /hr	Connected to PumpX RX50F 10 HP, 380V, 10m ³ /hr
Foam concrete output 3 – 4 m ³ /hr	Foam concrete output 6 – 7 m ³ /hr
Special discharge pressure gauges (option)	Special discharge pressure gauges (option)
Foaming-lance for high quality foam	Foaming-lance for high quality foam
Wheels and tow for efficient mobility	Wheels and tow for efficient mobility
Little maintenance and easy to service	Little maintenance and easy to service
Control panel with additional power outlets	Control panel with additional power outlets
Special gearbox providing high torque with 7.5 HP motor	Special gearbox providing high torque with 10 HP motor

ACCESSORIES

The following accessories could be supplied for **FoamX** upon request:

1. Foaming agent feeder
2. Water flowmeter
3. Digital indicator control panel
4. Cement & sand feeder
5. Special Off-road wheels



PumpX

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