



郑州高德机械设备有限公司  
Gaode Equipment Co., Ltd.

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## GF5 foam concrete machine

Foam concrete, also called Cellular Light weight Concrete, has been used in over 40 countries for building houses, apartments, schools, hospitals, industrial buildings, etc.

### Brief Instruction:

GF5 foam concrete mixing machine is a kind of small one according our many years of work experience. It includes a feeder, a mixer, a set of foaming system and a pump, adopts digital control technology, can exactly adjust foam cement density. This machine capacity is 5 cubic meter per hour, which is special design for village and county market. It can put directly on the truck for working. At present, our products have already big batch export to overseas market, achieving a historic breakthrough that China cement foam machine from import to export.

### Working Principle:

Foam concrete specially made by foam concrete mixer is a kind of advanced lightweight and insulated material. And this material has a great number of closed pores. With the help of foaming system of foaming machine, foam agent can foam fully and mechanically. Then foam and cement paste are mixed evenly. Next, the mixture will be out from pumping system to cast in place construction or form mold. After natural conservation, foam concrete forms.

### Benefits of foam concrete:

- 1. Lightweight:** Dry bulk density 300 kg/m<sup>3</sup> -1500kg/m<sup>3</sup>, 1/8-1/2 as light as common concrete.
- 2. High Compression Strength:** compressive strength ranging from 0.6 MPa to 25 MPa, 4 times as traditional aerated concrete.
- 3. Thermal Insulation:** good heat preservation and good thermal insulation.
- 4. Impermeability:** Low water-intake rate and high impermeability.
- 5. Saving cost:** Easy and fast production. No primary energy and reduced transportation costs.





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GF5 foam concrete machine is a self-developed patent product, with completely independent intellectual property rights. Our product is only one can comparable with overseas machines, which adopts digital control technology, can continuously and exactly adjust foam cement density. It also meets different densities of foam concrete products manufacturing. At present, our products have already big batch exported to overseas market, achieving a historic breakthrough that china cement foam machine from import to export.



### Features:

1. GF5 foam concrete machine is a small-sized foam concrete machine, designed for compact construction, which is easy to operate, mobile and low cost;
2. Pumping, foaming and mixing system assembles as a whole, convenient to use;
3. It has the continuous feeding system and water supply system, with high pumping height and low power requirement.
4. Adopt one phase power source, and the power is moderate, convenient for family construction.



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## Technical parameters:

Model		GF5
Max. theoretical output(m/h)		5
Max. conveying distance(m3)	Horizontal	40
	Vertical	7
Motor power(kw)		7.7
Mixing tank capacity (L)		300
Feeder size(mm)		2990*760*830
Over dimension(mm)		2100*1340*1390
Total weight (kg)		910





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### Shipping List

GF5 foam concrete machine	1 set
Φ 32mm x 20m delivery pipe	3 pieces, 60 meters totally



### Application





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**We can also supply interlocked molds for producing various kinds of bricks.**







GAODETEC

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**These pictures are the products of GF5 foam concrete machine.**



**The successful case:**





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### Note: The Foam concrete's other applications

1. External wall thermal insulation
2. Thermal insulation roofing
3. Thermal flooring
4. Upstanding beam foundation ditches filling
5. Sound insulation and fire protection walls
6. Playground and track construction
7. Sound insulation layer, tunnel lining filling
8. Cellar, basement and arch filling
9. Sewers and Drains filling
10. Horizontal floor heightening
11. Water tank and fuel tank building
12. Platform filling and mending
13. Garden and rockeries
14. Foam concrete block
15. Foamed concrete precasting, hollow wallboard casting



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