

## 4 Cavity Water Bottle Blow Moulding Machine



Full automatic blow molding machine is suitable for producing PET plastic containers and bottles in all shapes. It is widely used to produce the carbonated bottle, mineral water, pesticide bottle oil bottle cosmetics, wide-mouth bottle and hot fill bottle etc.

### **Bottle Blow Molding Machine:**

1. Automatically arrange the preform into the pre-heater, bottle will drop out automatically from mould.
2. Adopting high technology Micro PLC controller. Ensure the machine working properly and stable.
3. Pre-heater use single unit rotation heating design, preform heating center distance smaller, heating speed more faster, compare to old design with double unit rotation heating design, Electricity save 20%.
4. Special mould locking system enables faster mould locking while saves the source a lot.
5. Suitable for mineral water bottle, carbonated beverage, fruit juice bottle, oil bottle, cosmetic bottle.

### **Features:**

- 1). Stable performance with advanced PLC.
- 2). Automatic preform conveyer to save human cost.
- 3). Preform self-rotation and infrared pre-heater revolution assure the even distribution of heat, which improve the bottle shaping rate, increase the production.
- 4). High adjusting performance to enable preheat the preforms perfectly by adjust the voltage control area in the PLC, which could adjust the temperature of the infrared lights in the pre-heater, and keep the proper temperature and humidity invariable.

- 5). High safeties with security automatic-locking device in each mechanical action, which will make the production into a perfect safe environment, in case of the breakdown in certain procedure.
- 6). Introduce the FESTO air cylinder to avoid contamination and noise.
- 7). Satisfaction with different atmospheric pressure for blowing and mechanical action by dividing the blowing and action into three parts in the air pressure diagram of the machine.
- 8). Strong clamping force with high pressure and double crank links to lock the mould.
- 9). Two ways of operating: automatic and manual.
- 10). Low cost, high efficiency, easy operation and maintenance etc, profited from the fully automatic technological process.
- 11). Ideal cooling system make the finished bottles without any flaws.

#### Technical Parameter:

Items		Unit	Model	
			FL-6C5L	FL-5C5L
Molding Spec.	Cavity Pitch	mm	190	190
	Preform Heating Pitch	mm	63.50	63.50
	No.of Cav.	Cav.	6	5
Container Spec.	Max.Container Volume	L	5	5
	Neck Diameter Range	mm	39-45	39-45
	Diameter of support ring	mm	57	57
	Max.Container Diameter	mm	180	180
	Max.Container Height	mm	330	330
Theoretical Output		BPH	6000-6600	5000-5500
Power Spec.	Rated Power	KW	180	168
	Power Consumption	KW	80-90	68-78
Compressor Spec.	Blowing Pressure	Mpa	2.8-3.5	2.8-3.5
	Air Consuming	m <sup>3</sup> /min	16	14
Main Machine Spec.	Size	mm	11800*3750*3300	9316*3635*3300
	Weight	Kg	11500	10500

Items		Unit	Model	
			FL-4C5L	FL-3C5L
Molding Spec.	Cavity Pitch	mm	190	190
	Preform Heating Pitch	mm	63.50	63.50
	No.of Cav.	Cav.	4	3
Container Spec.	Max.Container Volume	L	5	5
	Neck Diameter Range	mm	39-45	39-45
	Diameter of support ring	mm	57	57
	Max.Container Diameter	mm	180	180
	Max.Container Height	mm	330	330
Theoretical Output		BPH	4000-4600	3000-3600
Power Spec.	Rated Power	KW	159	118
	Power Consumption	KW	58-65	46-56
Compressor Spec.	Blowing Pressure	Mpa	2.8-3.5	2.8-3.5
	Air Consuming	m <sup>3</sup> /min	12	9
Main Machine Spec.	Size	mm	8181*3535*3300	7200*3435*3300
	Weight	Kg	9500	8000