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## CGF24-24-8 Washing-Filling-Capping Mineral Filling Machine



### *Specification:*

CGF24-24-8 PET bottle Washing / filling / capping machine is a three-in-one combination of our advanced technology of atmospheric pressure filling technique, and it is the application of independent research and development, it will be the same with pure water and mineral water advanced bottling models. This machine adopts conveying way for clip bottles' lips, only need to replace very few parts, it can be applied to a variety of bottle type, smooth delivery. Filling method is Atmospheric pressure filling.

★The main frame adopts structural steel, 304 stainless steel exterior layer, 304 stainless steel frame, adjustable feet.

★Conveying system adopts star wheel, smooth transmission, stainless steel chain, it will be a smaller deformation.

★Number of washing clips is 24, 304 stainless steel chassis Rinse water pipeline, rinse water filtration system.

★Number of filling valve is 24, and parts contacted with product are 304L stainless steel. Inner surface is dealt with polishing. There is stainless steel returning tube, no dead space.



★Number of capping head is 8, screw head using magnetic torque device to facilitate torque adjustment, it can be set the size of the first torque of capping in accordance with the actual production needs.

## Power system

★Main Motor and Gearbox with frequency controller, transmission for sports bodies are gears, run smooth, all-round star bottle components are engineering plastics, with security agencies.

★PLC, transducer, relay, photoelectric switch, sensor switch relay components, touch screen operation panel, imported pneumatic components.

## Technical Parameter:

Model	CGF24-24-8
Production capacity	8000-10000 b/h (500ml)
Pressure of air source	0.4~0.6Mpa
Used air	0.3 m <sup>3</sup> 3/min
Water pressure of washing bottles	0.2-0.25Mpa
Used water of washing bottles	1.0 T/h (Max. it can be adjusted)
Filling mode	atmospheric pressure filling
Main motor power	3.0Kw
Total capacity of motor	4.5Kw
Rating pressure	380V50Hz
Weight	about 5T
Overall dimension (mm)	2800×2200 × 2200 (mm)
The machine includes	3M air conveying system in front, 4M conveying system for bottles out in back, Auto cap elevator, Auto cap tidying device.

### ①. Touch screen and electric appliances

CGF24-24-8			
Touch screen electric appliances adopted list			
No.	Name	Type	Producing area
1	Touch screen	F940GOT-WD-c	Japan Mitsubishi
2	PLC	FX1S-30mr-001	Japan Mitsubishi
3	Transducer	FR-E540-3.7K-CH	Japan Mitsubishi



4	Module	FX1N-485-BD	Japan Mitsubishi
5	AC contactor	LC1-D0910/AC220V	Schneider
6	Thermal relay	LR2-D1308N	Schneider
7	Circuit breaker	DZ47-3P/32A	Schneider
8	Circuit breaker	DZ47-1P/3A	Schneider
9	Emergency stop switch	Y090-11ZS	Schneider
10	Power light	AC24V-LED	Schneider
11	Potentiometer	4.7K-1/2W	Schneider
12	Communication cable	FX-50DU-CAB0-5M	Domestic
13	Converter cable	RS-485	Domestic
14	Connector bar	TD-2010	Schneider
15	Connector bar	TD-15/45	Schneider
16	Transducer	PR18-5DN	Schneider
17	Photoelectric switch	BEN5M-MFR	South Korea
18	Electric appliance accessory	GB	Domestic

## ②. Frame and other main parts

No	Name	Material
1	Hydraulic cylinder for filling machine	Stainless steel 304
2	Filling valve	Stainless steel 304
3	Frame	Square steel
4	Chassis	A3 medium plate
5	Deck plate	Stainless steel 304
6	Exterior package	Stainless steel 304
7	Thumbwheel	Stainless steel 304
8	Support	Stainless steel 304
9	Principal axis	Round steel
10	Gear wheel	High quality includes nylon and the pig iron pouring casting
11	Main Motor	Worm speed reducer
12	Stainless steel water pump	Stainless steel 304
13	Liquid valve piping component	Stainless steel 304
14	Pneumatic element	

Pictures of the 3 in 1 Mineral Water Filling Machine:



Washing units



Filling nozzles and Capping heads