

## *Hot Filling Machine CGF40-40-12*



### **Product introduction:**

This Juice filling machine integrates bottle sterilizing, bottle washing, juice filling and capping into one monobloc, and the four processes are carried out full automatically. It is used in the hot filling of juice and tea beverage. It is equipped with perfect temperature control system, reverse-flow system, automatic cleaning system and control program. Each machine element that contacts with the liquid is made of high quality stainless steel and food-grade rubber.

### **Applicable range:**

It is applicable for different water filling .three-in-one machine for PET and glass bottles integrate the function of rinsing, filling and capping together. Based on advanced technology overseas and designed according to the filling processing demands of natural mineral water, pure water, spring water and etc. such as pu different bottles: for example: glass bottles, plastic bottles

Applicator for bottle shape: round bottle, square bottle, flat bottle, curved bottle with bottle neck clipping transmission structure, the bottle conveyance is stable; very convenient and swift to use different bottles for filling in the same machine by adjusting the height of conveyor and several exchanging parts.

Filling machine adopts micro negative pressure gravity type filling theory, the filling is quick, stable, and accurate. It is with temperature control system and liquid reflow system. There is no hygiene dead corner in the filling valves and liquid pipes. It is equated with CIP automatic cleansing connectors so that user can connect it to CIP for cleansing. The bottle mouth rinsing device before capping and after filling ensures no liquid left at the bottle mouth and prevent it from mildew.

With spring type washing clipper, empty bottles are turned 180° along the guiding roll for inside sterilizing and rinsing; the nozzle adopts plum blossom shape multiple holes to rinse the bottle bottom, washing efficiency is high. The sterilizing part is also connected to a sterilizing liquid tank, so that the sterilizing liquid is recyclable; the washing liquid source is aseptic water, which will be drained out by pipe or led to the beginning of water treatment system for treatment again.

Capping machine adopts France technology, the capping is by magnet torque; the cap catching adopts twice catching to ensure the veracity. The capping force is adjustable, constant torque capping will not damage caps and the cap is good sealed and reliable, rotating type cap unscramble adopts air unscrambling, with functions of cap surface damage-resistance, alarm if lack of cap, auto cap feeding etc.

The whole machine is operated by touch screen, controlled by PLC and frequency convertor etc., with functions of cap feeding system automatic control, filling temperature automatic detection, high beverage temperature alarm, stop working for low beverage temperature and automatic reflow, no bottle no cap feeding, waiting when lack of bottles, stopping if bottle is blocked or no cap in cap guiding pipe.

### Technical Specification:

Model	CGF40-40-12
Washing head	42
Filling head	42
Capping head	12
Production capacity	18000BPH 500ML
Air source pressure	0.5-0.6MPa
Rinsing water pressure	0.15-0.2 MPa
Bottle height	150-330MM
Bottle diameter	Φ50-Φ110MM
Rinsing water consumption	1.T/H
Filling way	Micro-Negative Filling
Power	3ph, 380V/50Hz, 4.2KW
Overall size	3600*3580*2500(L*W*H) mm
Weight	7500Kg