

## ***Automatic Glass Bottle Beer Gas Drink Filling Packing Machine BCGF-series***



- This machine is beer filling machine, with washing, filling and capping parts.
- It adopts advanced international technology to design, appearance is nice, operation and maintenance is convenient, it's high degree of automation, so it's good machine for middle and small capacity beer manufacturer.

### **Structural Features:**

- 1) The rinsing machine using high-strength stainless steel bottles of spring-loaded folders, to ensure a stable reversal of the glass bottles. The nozzle is a plum-like structure can wash every corner of the sidewall and bottom to make the bottle clean.
- 2) Filling machine with spring-type mechanical lifting equipment to upgrade glass bottles, large bearing support floundering in the vat and use of guide-rod in the orientation of the structure, there are pre-cover features.
- 3) Using high-precision mechanical filling valve, with cylinder liquid level and the back pressure controlled by a variable signal proportional. Fast, stable, accurate, to be vacuum one at a time.
- 4) Stainless steel plunger and mechanical stirring gland-type magnetic reasonable cap to ensure that the gland is healthy and reliable. Hopper and the cap taking-cover, capping transmitted by magnetic. The capping is reliable and automatic unloading, reducing the rate of broken bottles.
- 5) Before the capping, use hot water bubble set to displace bottlenecks air, ensuring the oxygen content of less than 0.15mg / L.
- 6) Filling machines includes broken bottle automatically stopping valve, broken bottle washing, and foam automatically exhausting device.
- 7) With perfect CIP cleaning function, and capable of rinsing filling pipes with acid, lye liquid and hot water.
- 8) All the materials in contact with the valves, tanks, pipes are made of stainless steel 304 materials, inside and outside the wall of mirror-polished, ensuring it is healthy.
- 9) Manually dry oil lubrication system to make sure equipment maintenance is more convenient.

10) The whole operation adopts advanced man-machine interface, PLC control, frequency conversion stepless speed regulation and other automatic control technology, with no bottle no open valves, no stamps; no cap no operation, and other security protection.

**Filling process:**

Step1: Vacuum valve, it will take the oxygen out of the bottle first.

Step2: Filling CO2 to clean the bottle to remove all oxygen

Step3: Vacuum valve: to exhaust the Co2

Step3: Fill CO2, And when the pressure in the bottle equals to the filling tank, it will start to fill beer

Step4: Between filling part with capping part, there is a foam device to inject the water into the bottle, to confirm no oxygen into the bottle.

**Technical Parameters:**

<b>Model</b>	<b>BCGF14-12-4</b>	<b>BCGF18-18-6</b>	<b>BCGF24-24-8</b>	<b>BCGF32-32-10</b>
Capacity(500ml/bottle/h)	1000-2000	2000-4000	4000-6000	6000-8000
Total power(kw)	3.5	3.8	5.8	7.8