

## *Carbonated Bottle Filling Machine DCGF-series*



This series of Automatic Carbonated Bottle Filling Machine are special for carbonated beverage, such as sparkling water, aerated water, sprite, coca-cola, gas containing juice etc. The washing, filling and capping will be finished just by this one machine. Convenient to change bottle size by means of advanced bottle conveying technology—bottleneck clamping & bottle suspending technology. It is innovated and designed in the requirement of water filling technics, on the bases of introducing, digesting and absorbing advanced technology abroad. It is reasonable in structure, safe to operate and easy to maintain, which is an ideal choice for beverage producers.

### **Features:**

- Compact structured, good-looking, easy to operate and highly automated.
- Air conveyor is directly linked with feed-in starwheels, making it easier to change bottles without screws and conveyor chains.
- Bottles are transferred in the manner of hanging neck. Bottles can be changed through some replacement, which instead of adjusting the height of machine.
- Rinsing-clamp which special design is strong and durable, no contact with bottle-mouth, to prevent pollution.
- Highly effective spraying nozzles equipped on the rinsing-clamp can rinse every side of inner bottle and save water.
- Accessories which contact with material are all made of stainless steel, no dead angles and easy to clean up.
- Bottling volume can be controlled by membrane adjusting valves to ensure accurate filling.
- Valve on-off system is driven by hydraulic cylinder, which starts on bottle signals.

- High-speed and highly accurate bottling valves ensure no loss of liquid at high speed.
- Equipped with perfect clean management system to ensure the bottle clean.
- Bottom splint which fixed in the feed-out star wheel goes down in the manner of screw. Bottles can be changed without adjustment of height of conveyor chain.
- Capping heads are magnetic constant-torque equipped to ensure capping quality with no damage.
- Highly effective cap sorting and feed in system is protective for feed in and cap absence.
- Equipped with overload system to safeguard machine and operators.
- Touch screen operated.
- Main electronic components (touch screen, PLC and frequency inverter) are imported products.

### Technical Parameters:

Model	DCGF16126	DCGF18186	DCGF24248	DCGF32328
Heads of washing, filling, sealing	16-12-6	18-18-6	24-24-8	32-32-8
Production capacity (bottle/hour)	2000-3000	4000-5000	6000-8000	10000-12000
Suitable bottle diameter(mm)	$\phi=50-100$ H=170 330-1500ml			
Spraying pressure	2~3			
Motor power	Main motor 1.5kw	Main motor 2.2kw	Main motor 3kw	Main motor 4kw
Power of outer vacuum pump	0.75	1.1	1.5	2.2
overall dimension (LxWxH)	2100x 1400x 2500	2460x 1720x 2650	3100x 2100x 2650	3500x 2500x 2650
Weight	2500	3500	4200	5500

Model	DCGF404010	DCGF505012	DCGF606015
Heads of washing, filling, sealing	40-40-10	50-50-12	60-60-15
Production capacity (bottle/hour)	12000-15000	15000-16000	18000-20000
Suitable bottle diameter(mm)	$\phi=50-100$ H=170 330-1500ml		
Spraying pressure	2~3		
Motor power	Main motor 7.5kw	Main motor 9.5kw	Main motor 12kw
Power of outer vacuum pump	2.2	3	4
overall dimension (LxWxH)	4600x 1800x 2650	5200x 4500x 3400	6500x 4500x 3400
Weight	6800	7600	9800