

Drinking Water Filling Machine QGF-series



The production line is mainly used for 3-5 gallon barrel drinking water. It consists of three parts: washing (heating water-sterilized water-pure water), filling and sealing.

This production line can be automatically washed, disinfected, filled, capped, counted and output, with complete functions, novel design, high degree of automation, it is a set of machinery, electricity, gas in one of the drinking water barrel equipment.

The machine is made of excellent stainless steel with the advantage of easily-rinsing and corrosion-resistance. The main electrical parts adopt products with brand of SIEMENS and OMRON. Pneumatic parts adopt products with brand of AIRTAC. Both the inner and outer shower nozzle for washing barrel adopts the special technology equipment from American Sprayer Company. The machine works reliably and efficiently based on the compact structure and high automatic technology. It is the fully automatic barreled water producing equipment combined with machine, electronic and pneumatic components.

Main technical parameter:

- 1) Filling Volume: 3-5 Gallon
- 2) Size of Barrel: $\phi 276 \times 490\text{m}$
- 3) Capacity: 60-900 barrels per hour(depends on customer's inquiry)
- 4) Power supply: depends on buyer request.
- 5) Max power consumption 4 kw+ heating 9 kw the Power consumption is only 3.5kw while the machine works as each electrical part starts intermittently
- 6) Volume of using water: Filling 9T/H; Purified water washing 2.25T/H
- 7) Structure type: gear wheel and rack transmission intermittently; Two filling valves
- 8) There are 10 steps during the washing procedure:

- (1) Pre-washing,
- (2) Dripping,
- (3&4) Washing by the recycled water
- (5) Dripping,
- (6&7) Disinfection liquid,
- (8&9) Finished water,
- (10) Dripping

Disposal explanation

- 1) The whole set of equipment is imported abroad. The shower nozzle for washing is the technology products of American sprayer company
- 2) Intellectual management, controlled by MITSUBISHI micro-computer.
- 3) Siemens electrical element
- 4) AIRTAC pneumatic element
- 5) The whole set of equipment is made of stainless steel especially for food
- 6) Including system for automatic cap settling and cap transportation

Technical Parameters:

Model	QGF-120	QGF-300	QGF-450	QGF-600	QGF-900	QGF-1200
Filling heads	1	2	3	4	6	8
Volume(gallon)	3-5	3-5	3-5	3-5	3-5	3-5
Barrel size(mm)	φ 270*490	φ 270*490	φ 270*490	φ 270*490	φ 270*490	φ 270*490
Capacity(b/h)	60-120	120-300	300-450	450-600	600-900	900-1200
Gas pressure(Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.6	0.6	0.6
Gas consumption(m3/min)	0.37	0.6	0.8	1	1.5	1.8
Motor power(kw)	1.5	3.8	5.5	7.5	9.75	13.5
Weight(kg)	680	1500	2100	3000	3500	4500