



## ***QGF-300 5 Gallon Water Filling Machine***



1. The empty barrel tilted down into the mouth to send buckets, bucket chain movement clearance a location, at this point, the empty barrel barrel mouth barrel body wash for inverted form.
2. A total of four processing procedure: first as the water; The second is disinfectant; The third way for sterile water flushing; The fourth sterile water rinse again; After rinsing with 20 s time for bucket drain well.
3. Rinse Jing Tong chain rotate 45 degrees, down to slip out of the bucket, and the top drum cylinder will flip bucket down 45 degrees put empty barrels in filling, waiting for filling.
4. Filling valve driven by cylinder into the barrel mouth, filling automatic exhaust valve by open the filling, the filling time is set by PLC, and can be used according to the liquid level height panel multi-function button modification filling time, in order to achieve the best position, after filling to liquid level, excess water by automatic drain back to the pure water tank, in order to reduce water waste.
5. After filling, by filling a bucket cylinder will have barrels to gland location, for the next step when filling capping, thus the whole process is over.

### **Outside Washing Machine**

Automatic barrel outer brushing machine specially work with 5 Gallon barreled water producing line. It is used for reducing the settling caused by the mineral water itself and some algae substances in the process of mineral water producing. The machine is made of excellent stainless steel with the advantage of easily-rinsing and corruption-resistance. The main electrical elements adopt the products with brands of SIEMENS and OMRON. Pneumatic elements adopt the products with brand of AIRTAC.

## **Main Machine Features**

- Shape structure adopted concave and convex shape,
- perfect appearance also reduces the leakage.
- The thickness of the stainless steel plate which used for 600 bph is 3mm.
- Tank and the heating pipe in tank are removable which become more clean sanitation.

## **Filling Part Features**

Uploading and dropping barrels changed from 45 degree to translator which is more stable. Nozzle can insert into 10-15cm of the barrel in order to rinse little impurities down. Rinsing pump is separately controlled by different magnetic valves. Pump only work when there is barrel on that. It can avoid the mixture of different cleaning fluid.

### Technical Parameters:

1. Model : QGF-300
2. Capacity: 300 Barrel/Hour
3. Barrel size: 5 gallon / 20L
4. Inside washing: 1050 x 900 x 2060 mm
5. Outside washing: 1250 x 110 x 1780 mm
6. Main machine: 4300 x 1650 x 1800 mm
7. Conveyor belt: 4000 x 500 x 600 mm
8. Conveyor belt: 4000 x 500 x 600 mm
9. Light : 1000x200x1000 mm / Shrinking : 500x500x1200mm