

Filling Machine for Cosmetics ZTJ- series



Principle

Semi-automatic filling machine piston filler. Driven by a cylinder and piston made from materials with FIVE-way valves control the flow of materials, and magnetic reed switch control cylinder itinerary can be regulated filling volume.

1. Control and actuator components (cylinders) adopt brand of components (AirTac), material contact parts are made of 316L and 304 stainless steel, in conformity with GMP, non-metal parts are made of high standard materials.
2. Sealing rings is use of the silica gel sealing ring or PTFE sealing ring; silica gela sealing rings are of high temperature resistant, good sealing; PTFE sealing ring are durable against wear, corrosion and high temperature filling machine for cosmetics
3. The equipment adopts the fixed volume type metering mode and the piston push-pull rod structure, the use of precise switch control and positioning slide block, and the check valve is fast and precise air-operated valve, so the equipment have high precision and small filling error ($\leq \pm 0.25-0.5\%$).
4. The equipment is featured with automatic suction material, fixed volume filling, constant speed filling, adjustable speed, high pressure filling etc.
5. The filling head is pneumatic or mechanical valve; It's internally provided with leak-proof stopper, With prevent wiredrawing and dripping. The filling head caliber and length have variety of specifications to choose from, and generally can be installed on the lifetable frame; its height and position can be adjusted.
6. All parts (host, tee joint, self-suction tube and filling head) are by the handcuffs type clamp connection, no special tools installation, easy component disassembly, cleaning, maintenance, assembly, so equipment installation and commissioning, maintenance, cleaning and overhauling etc. Work more easily.

7. The machine has manual mode and Automatic mode. When the machine is set to manual mode it adopts pedal to control the filling; and when the machine is set to automatic mode it will automatically start continuous filling.
8. The machine has design clever, rational construction, easy operation, lightweight and convenient, wide application etc
9. Using high quality cylinder as driven part such as AirTAC cylinder, E.MC cylinder etc
10. It is easy to install, disassemble and clean
11. High quality O ring makes working life longer
12. All machine body is made of SUS 304.
13. It is easier to clean and more hygeian.
14. The filling accuracy can reach 99.5%
15. Filling range is wide and adjustable.
16. This filling machine can run automatically or operated by a pedal
17. Only compressed air needed. It is safe to run the machine without electricity
18. This series of machine can be installed with a sucking tube or a hopper.
19. Using advanced anti-leaking technology to keep the filling head from leaking.
19. Rational design of the aircraft, model compact, easy to operate, are used pneumatic part of Germany and Taiwan AirTac FESTO the pneumatic components.
20. Some contact materials are used 304SS stainless steel materials, in line with the GMP requirements.
21. Filling volume and speed of filling can be arbitrary regulation, filling high accuracy.
22. The filling line can extend for the labeling can capping system for whole production line and save human power
23. Can extend the vibration plate machine for capping

Technical parameter:

Model no	Filling capacity (ML)	Filling speed bottle/minute	Pressure supply
ZTJ-5	5--60	1—45	0.2—0.6MPA
ZTJ-10	10--120	1—35	
ZTJ-25	25--250	1—30	
ZTJ-50	50--500	1—30	
ZTJ-100	100-1000	1—25	
ZTJ-250	250--2500	1—18	
ZTJ-500	500--5000	1—18	