

Dual-Tube Hydraulic Sausage Filler

Model: ZT-GCJ30 | Product Manual (English)

1. Product Overview

Hydraulic sausage filler suitable for various sausage products. Stable discharge, simple operation, high efficiency and reliable safety. Food-contact parts are easy to clean and meet food hygiene requirements.

- Main components: frame, hopper, filling cylinder, hydraulic drive system, electrical and control system.
- Hydraulic system drives the piston for continuous stuffing through the nozzle.

2. Technical Specifications

Item	Specification
Model	ZT-GCJ30 (dual tube)
Power supply	AC 380V (dual-tube model)
Typical working pressure	Approx. 0.5–0.6 MPa (adjust before use)
Hydraulic oil	46# anti-wear hydraulic oil / equivalent ISO VG46
Cylinder / platform (ref.)	See nameplate / quotation for exact size

3. Working Principle

The hydraulic power unit drives the filling piston to push meat emulsion evenly out of the filling tube for continuous stuffing.

4. Operation & Settings

- First use: prepare hydraulic oil — fill with 46# anti-wear hydraulic oil until the level reaches the mid mark on the sight glass. Bleed air after filling; the pump may run briefly with temporary noise until air is purged.
- Confirm correct power supply before use. Dual-tube GCJ30 uses 380V three-phase; wiring must match motor phase sequence. Never share one supply cable improperly; follow local electrical codes and install proper circuit protection.
- After power is on (power indicator lit), check that the white / green piston position is ready. Open the circuit with the key switch before starting. If the motor runs reverse, swap two phase wires (never swap the ground).
- When meat is filled into the cylinder, close the nozzle valve first. Start filling only when ready. Open the hopper, load product, then close. Press the Down button to lower the piston; press Up to raise it. Open the filling valve when stuffing starts. Foot-pedal models: press the pedal to fill. When the cylinder is empty, close the nozzle valve, raise the piston, reload and repeat. Press Stop to halt.

5. Adjustments

- Adjust filling pressure via the hydraulic station pressure valve within the recommended range, or contact Zhongte technical support.

6. Maintenance

- After production, do not leave product in the cylinder for long. Remove the hopper cover and clamps, clean the cylinder, piston and nozzles thoroughly. Dry and wipe food-grade oil on sliding surfaces before next use.

- Keep sufficient hydraulic oil in the tank. Replace oil every 3–6 months or sooner if contaminated. Check for emulsion or discoloration.
- Drain dirty oil from the drain port before refilling to the mid sight-glass level.
- Replace damaged cylinder seals promptly to avoid leakage.
- Before filling, open the nozzle valve briefly and jog Down to purge air from the line.
- Electrical faults from poor contact, missing phases or water ingress should be diagnosed within authorized service procedures.

7. Safety Precautions

- Follow correct motor rotation (arrow on pump). Prolonged reverse running will damage the pump.
- Use only the specified voltage. Ensure grounding.
- Keep hands clear of the piston path during movement.
- Do not rinse electrical parts with water.
- Unauthorized disassembly is prohibited.