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1. Use &Feature

Use:

Multi-Function Vacuum Gas Flushing Packaging Machine is widely applied to foodstuff, medicine, tea, chemical raw material, electronic element, rare metal and down feather etc with characteristics of automatic control and complete function.

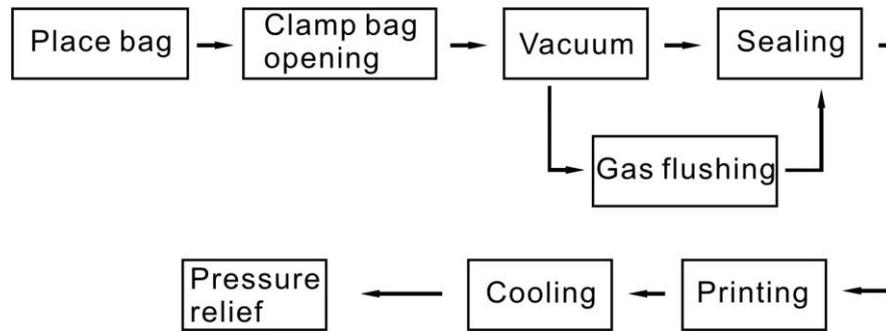
Features:

- a) Complete function: the machine can be used for sealing exclusively, also can be used for vacuum packaging or vacuum & inert gas filling.
- b) The machine adopts auto program control, achieving the whole process of vacuum, gas flushing, sealing, printing and cooling etc as a continuous action.
- c) Adopt non-chamber mechanism with double gas nozzles. Vacuum (gas flushing) nozzle can withdraw from the package automatically after finishing working, featured by good sealing effect, adjustable speed of entering and withdrawing, high efficiency.
- d) Vacuum time, gas flushing time and sealing time are adjustable, thus the machine is suitable for various single films and composite films.
- e) There are two types for this machine, namely vertical type and horizontal type, in order to meet requirements of different packages.
- f) Two heating types: single-side heating and double-side heating.
- g) Single heating function is applied to plastic film or composite film whose thickness in one layer is no more than 0.20mm. Model with function of double heating is suitable for sealing film in thickness of 0.4mm in one layer.

2. Specification

Model	DZQ-600L	DZQ-800L	DZQ-1000L/S
Power supply	AC380V/50HZ (3 PH four wire)		
Total power	2.75KW	2.75KW	3KW
Vacuum pump rate	20m ³ /h		
Air compressor power	1.1KW(HP1.5)		
Absolute degree of vacuum	--0.08Mpa		
Max. sealing length	600mm	800mm	1000mm
Max. height for vertical packing	850mm (can be tailor made)		
External dimensions (L×W×H)(mm)	900×750×1900	800×900×1700	900×1100×1900

3. Working procedure



4. Each Function on Control Panel

- power switch: used to control power of circuit
- program option knob I: used to select just sealing program or multi-program
- program option knob II: used to select vacuum or inert gas-flushing after vacuum.
- program option switch III: used to select vacuum & gas flushing or just gas flushing.
- vacuum time adjustment: adjust vacuum time, adjustment range:0~99s
- aeration time adjustment: adjust gas flushing time, adjustment range:0~99s
- sealing time adjustment: adjust sealing time adjustment, adjustable range:0~99s
- sealing voltage grade option: I=30V II=36V

5. Prepare for work

- Turn on main power and air compressor power on right side of machine, as well as power switch on electrical control panel.
- Set working mode, that is, choose sealing cycle, vacuum cycle, vacuum & gas flushing cycle, or gas flushing cycle. Start-up company
- Set vacuum time, gas flushing time and sealing time.
- Adjust the reducing valve of the air compressor. Generally, it is set at 0.05MP(5kg/cm²).
- Adjust the reducing valve for gas flushing. Generally, it is set within 0.02Mpa ~ 0.04Mpa.
- Adjust cooling time relay. This relay is fixed on the lower site of housing, found on the wiring board after opening back door. Model is JS14A. Adjustable time is 5s. If packaging bag belongs to multilayer paper-plastic composite material, cooling time needs prolonging, that is, you should replace with the relay with wider adjustable range of time.
- After adjusting all option switches and adjusting knobs, the machine is ready for working and can be started by pressing starting switch or pedal switch. Press button EMERGENT STOP if malfunction occurs, all working program will reset.

6. Environment requirement

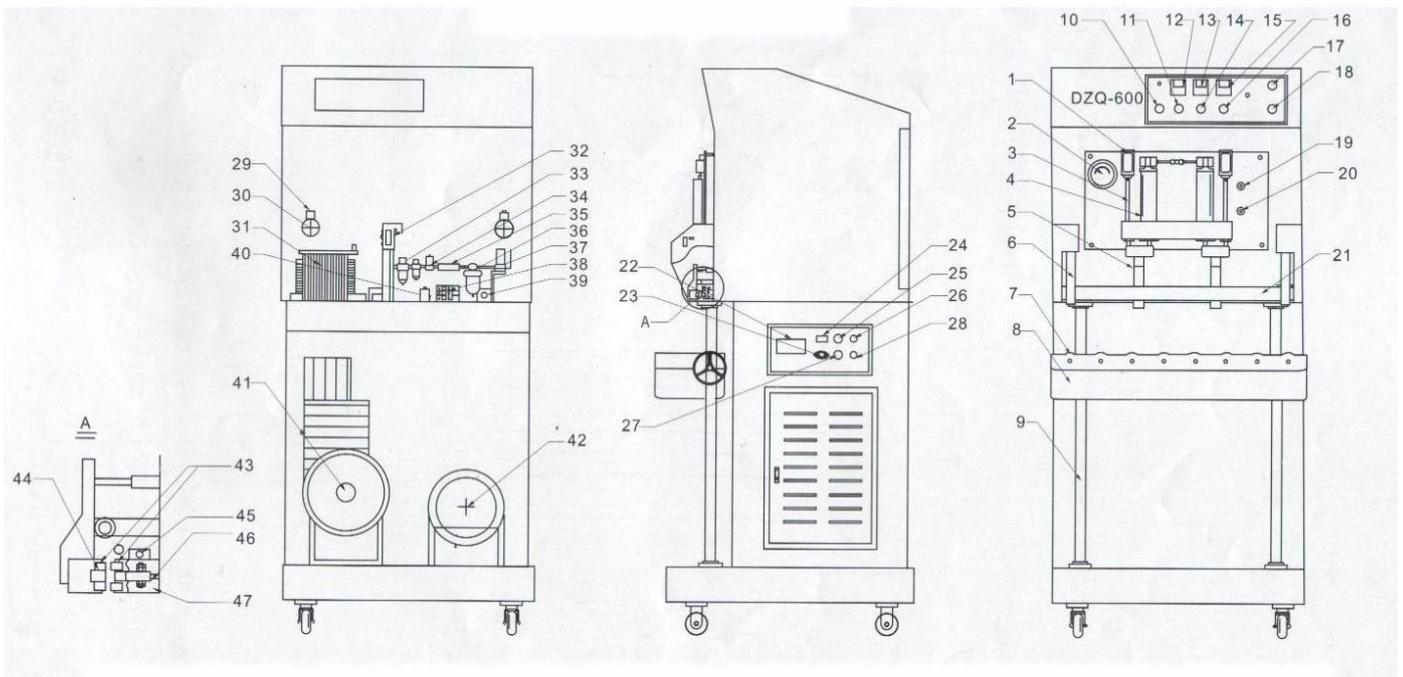
- Ambient temperature should be $\leq 50^{\circ}\text{C}$.
- The relative humidity of environment should be $\leq 85\%$.
- Without gas or dust that is corrosive or flammable around.

7. Material requirement

The function of vacuum and gas flushing is not suitable for powder whose size is smaller

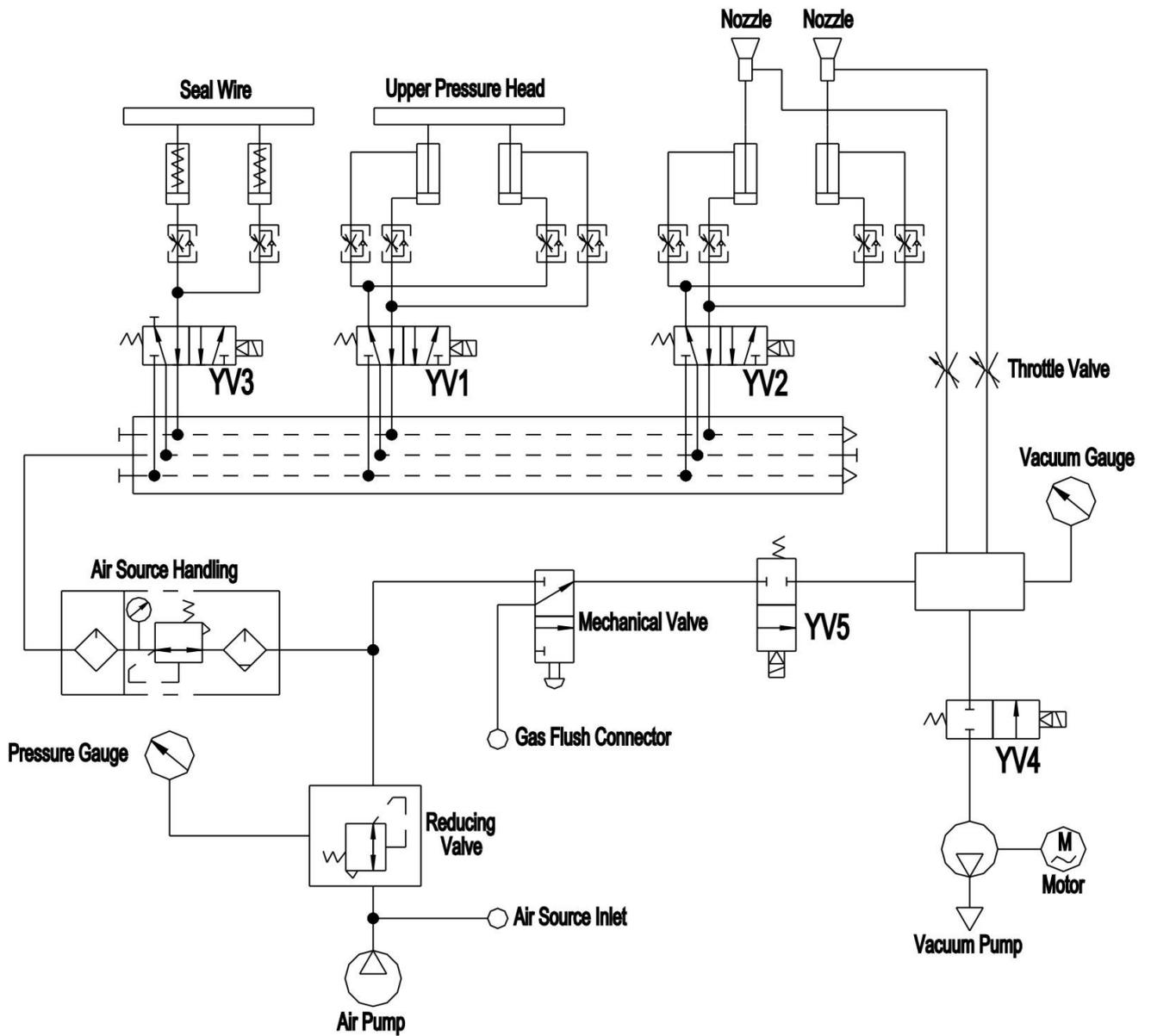
than 0.5mm. If necessary, adjust the relevant valve to lower the air flow rate of nozzle. Nozzle can be close to product when vacuum function is applied to grain in large size. If the product is very tiny, keep the distance between nozzle and product at 5~10mm.

8. Main parts and names



1.lifting journey switch 2.vacuum gauge 3.lift-guiding pole 4.lifting cylinder 5. nozzle 6. swing arm 7.roller 8.worktable 9. upright post 10. power switch 11. program option switch I 12.vacuum time relay 13. gas flushing time relay 14.program option switch II 15.sealing time relay 16. program option switch III 17.switch/start 18. switch/emergency stop 19. throttle valve of cylinder 20. throttle valve of cylinder 21.upper pressure head 22.power switch 23.pedal switch socket 24.power socket of air pump 25.pressure gauge 26.gas flushing connector 27.reducing valve 28.air source inlet 29. throttle valve of cylinder 30. upper pressure head's cylinder 31.transformer 32. two position three-way valve 33. oiler filter of reducing valve 34.solenoid valve 35.pipe joint 36.filter 37.solenoid valve ($\Phi 15$) 38. two position three-way solenoid valve 39. thin cylinder 40.gas pipe 41.air compressor 42. vacuumizer 43. sealing strip 44. silicone bar 45.sealing journey switch 46. sealing bar, seal wire, Teflon tape 47. lower pressure head

9. Pneumatic Schematic Diagram



10. Electrical Schematic Diagram

