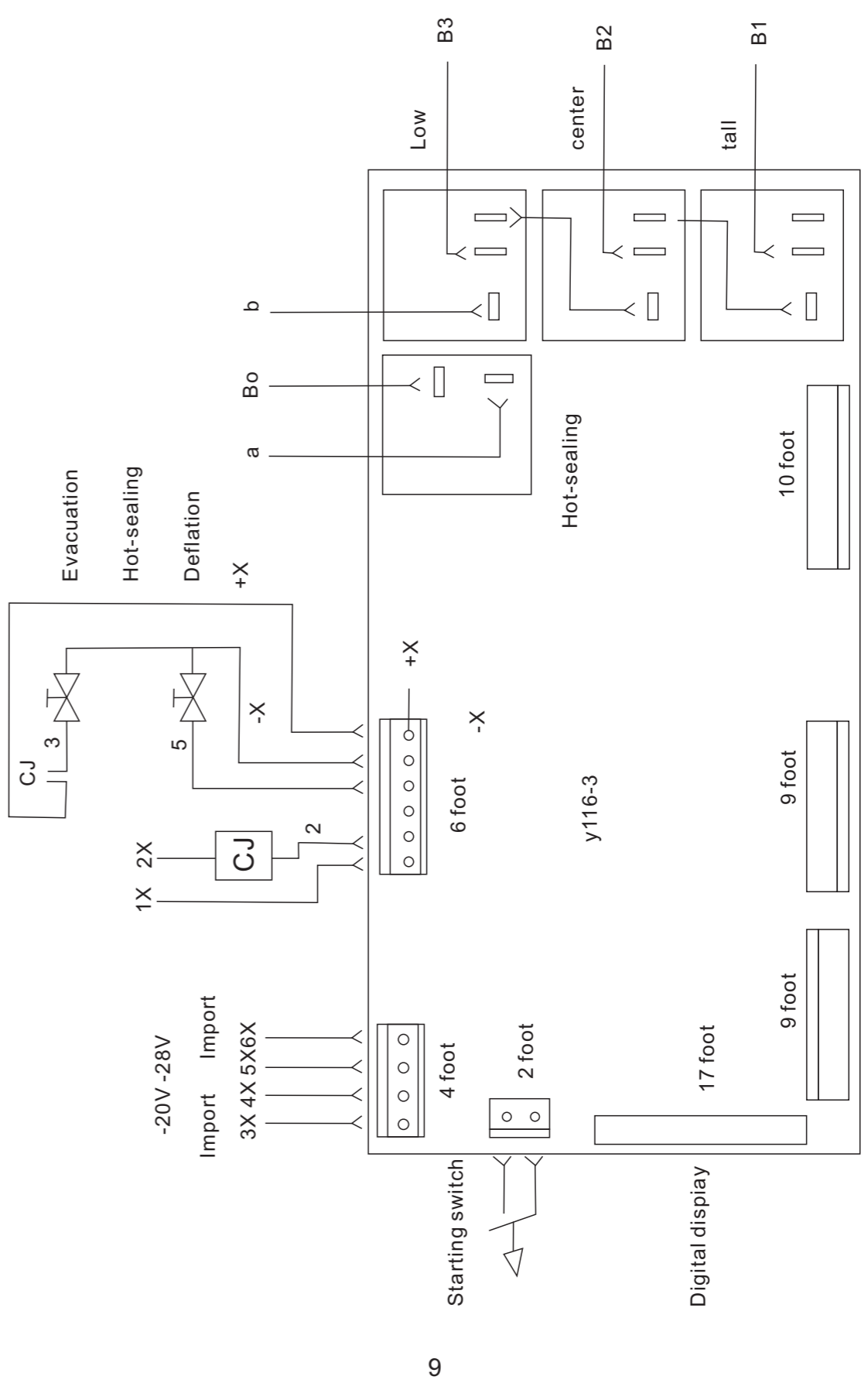


DZQ SERIES VACUUM PACKAGER

(MODEL: DZ400/500.DZQ400/2SB.DZQ500/2SB)

OPERATION INSTRUCTION

**Before operation, please read this operation
manual carefully**



3) Failure of the master board

A. The master board inside of the packager should be kept clean, dry and no metal foreign matter on its surface in order not make its interior short-circuited or the procedure confused.

B. No vacuum formed or not hot-sealing done or jump action produced. Which is due to being not well plugged of the relative dial snitch safe or the dial being damaged.

C. Back of strokes on display with the digital display board or no display for action indication, which is caused by the looseness or being not well plugged of the board feet or partial damage of the board.

D. Some shift of the high, middle and low shifts for hot-sealing doesn't phase become loose or the relay is damaged.

10. Packing list

Model & spec.	Unit	Quantity	
Model DZ400/500	set	1	
Product manual	copy	1	
Certificate	copy	1	
Lubricant	copy	1	
Ni-crtape	pc	1	
			2pcs for single-chamber
7.87in screwdriver	pc	2	“+” “-” shape each
7.87in monkey wrench	pc	1	none for single-chamber
Socket head wrench	pc	1	
Input power cable	pc	1	
Receptacle	pc	1	
SS holding disk	pc	2	1pc for single-chamber
Xzd-020 vacuum pump manual	set	1	
Etc.			
Powerflu glue	pc	1	none for single-chamber
Oiler	pc	1	
Printion case	case	1	

Inspector: _____ Packer _____
 Year Month Day

gasbag, which, before not-sealing, is in a low vacuum state and, during hot-sealing, is made interlinked with air through the hot-sealing electromagnetic valve yv and enlarged with its volume so as to have the heating head(ni-cr tape) pressing downward on the sealing while heating, both heating temperature and time are adjustable.

The power supply of the packager: AC380V, 50HZ, three-phase four-wire with the neutral input. Motor of the vacuum pump: AC380V, 2X0.75KW, 2800r.p.m. the heating system is of voltage-regulation type, i.e. the primary of the hot-sealing transformer is 380V, the secondary has three shifts of 28V, 32V and 36V adjustable with the switch on the panel. The hot sealing temperature is changed by means of the voltage of the secondary while the hot sealing time is adjusted by the digital display time relay on the panel. The vacuum system is consists of evacuation, hot-sealing and deflation electromagnetic valves Yv and used as the executive mechanism.

Evacuation from the vacuum chamber starts once the vacuum pump is enabled and it will stop when the intended vacuum reaches, the whole control procedure turns into next one then. This packager uses a single-stage rotary-sheet type vacuum pump (see the manual for the details of the technical property of the pump). See fig.1.2.3. for the structure and panel, the electric principle and the vacuum system principle, respectively.

6 Operation procedure

- 1) Turn on the power: enable the power switch, the quick-stop indicator lights, set the evacuation& hot-sealing dial to the relative time.
- 2) Press down the cover, the evacuation (vacuum) indicator lights, the vacuum pump starts evacuation and the cover is automatically attracted. Vacuum can be adjusted by means of the vacuum time dial per the packing requirement and adjustment should be done from low to high with a small amplitude.
- 3) When the set time (the desired vacuum) reaches, evacuation ends and the evacuation indicator goes out. Set the power switch to the vacuum position, the vacuum packing begins and the air-filling indicator goes out.
- 4) Along with the evacuation indicator goes out. The hot-sealing indicator lights to

enter the sealing procedure. The adjustable knobs for both hot-sealing time and temperature on the panel are equipped with for the materials of different thickness. To adjust the knobs, use a small amplitude of rotation, so as to prevent the hot-sealing temperature from being raised in a sudden. Thus burning the hot-sealing fittings.

5) When the set time for hot-sealing reaches, the hot-sealing indicator goes out and the hot-sealing ends. Then air goes into the vacuum chamber via the electromagnetic valve till the cover lift automatically, the process of vacuum, air-filling and packing ends. And next such a process is ready.

7. Regulation and operation

1) When packed, check with the list of packing if the accessories are full, if the screws on every location are loose and if the upper vacuum chamber flexible to move left and right.

2) Properly lubricate every moving part, oil hole and oil nozzle and in according with the manual for the vacuum pump, properly inject engine oil window, which should not be lower the 1/2 height of the oil window and max oil quantity should not exceed 3/4 height of the oil window.

3) Regulation

A. Regulation of the vacuum in the vacuum chamber optimize the time of evacuation per the need of the packed goods to get an appropriate vacuum, the longer the time for evacuation, the higher the vacuum to be gained.

B. Regulation of hot-sealing temperature and time optimize the hot-sealing temperature(3-shift adjustable) and time (0-6s) per the different bag material and packed goods to get an optimum strength of sealing, to regulate, generally do it from low to high till the desired appearance and strength of sealing.

4) Process of operation

A. Place the goods to be packed in the bag(plastic compound or al-foil compound bag), and put the bag into one of the lower vacuum chambers, lift the bag-pressing rod and evenly arrange the opening of the bags under the hot-pressing stand.

B. Turn on the power switch, the power indicator lights and then cover the lower vacuum chamber with the upper one for automatic sealing, and meanwhile, do

preparations in the lower vacuum chamber so as to enhance the efficiency of packing.

C. Set the power switch to “off” position and cut off the main power when the whole procedure of packing ends.

8. Maintenance

1) Before operation, carefully read the manual to get familiar with the way of regulation and operation.

2) Periodically maintain and lubricate the vacuum pump according to its manual and pay much attention not to let it reversedly run in order to prevent it against being damaged and the oil from reversedly appraising inside of it till the vacuum system.

3) Often check if the earth line well contacted to make sure of safety

4) Often check if there is any foreign matter on the sealing dyeing cloth (ptefe) and if it is flat to make sure of the sealing strength.

5) Turn off the power on time in case of a failure and, if necessary, press the quick-stop button, then lift the cover after deflation and turn off the voltage to examine the cause and troubleshoot.

9. common troubles and troubleshooting

1) no vacuum formed or low vacuum

A. reversed running of the vacuum pump, check if its direction of running in line with the arrow of the pump motor and ,if not, adjust the phase.

B. When newly used, the sealing ring of the upper chamber may not be well fitted with the plane of the lower one, so slight pressure is required to be applied on the cover to make both completely mated.

C. The position switch is not place, adjust the position of the limiting sheet of it.

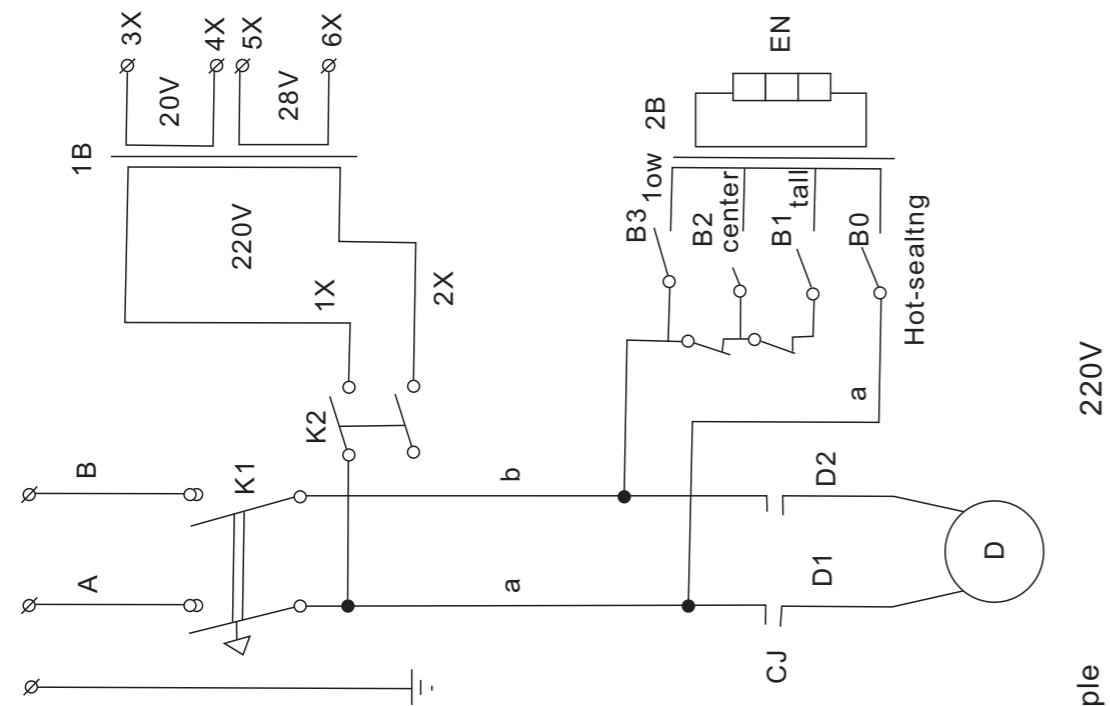
D. The deflation valve is not closed tightly and produces leakage, check its valve core(rubber) if it is worn out, polluted or its centre displaced.

E. Check if there it leakage or looseness with every part of the pipeline.

2) Bad hot-sealing quality

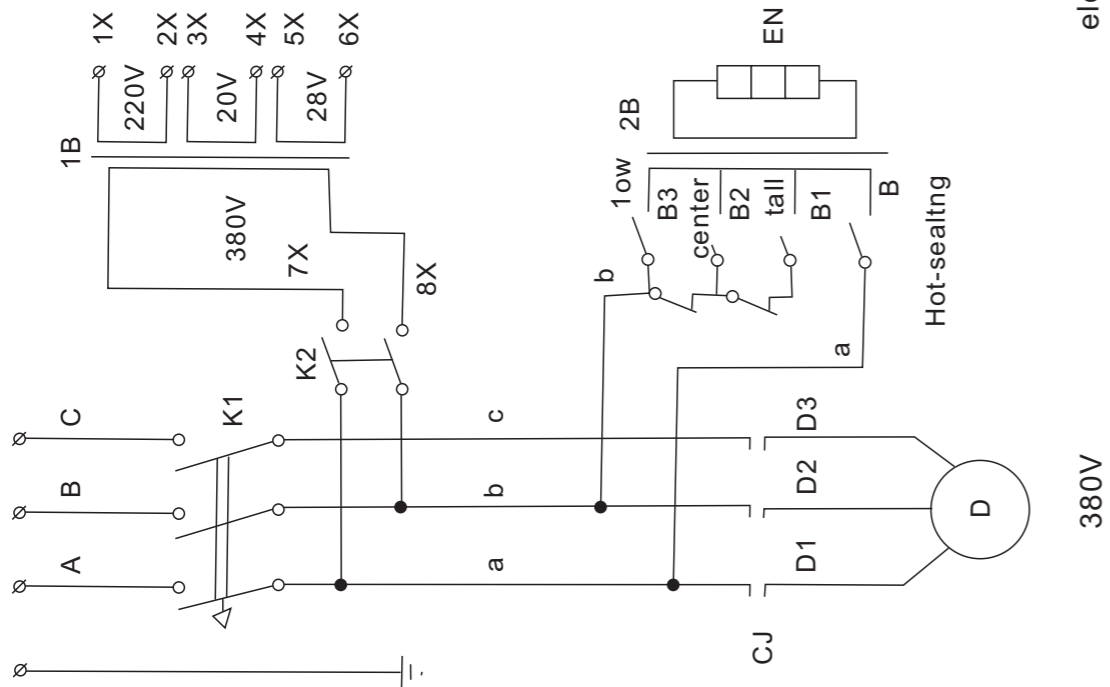
A. Check if the opening of the packing bag is clean and take care not to let it polluted.

B. Check if the ni-cr tape works properly, if there is short-circuit or circuit-breaking.



220V

electric principle



380V

1. Overview

Model DZQ400/500 series vacuum packager works in a brand-new way that it makes the inside of the bag vacuum and then seals it at once, and just because of the high vacuum, extremely less air is left in the bag, resulting in restraining the propagation of bacterium etc. microbe, avoiding the goods being mildew and rotten by oxidation and, at the same time, some spongy goods can be made reduced in the volume after being vacuum packed and thus become easy to transport and store.

2. Purpose

This packager uses compound film bags to do vacuum hot-sealing packing for various foods, medicines, native products, aquatic products chemical materials, hardware and electronic components in the state of solid, powder, paste or liquid, which can effectively prevent the packed goods from being rotten and gone bad cause by the oxidation of grease goods or the propagation of the bacterium found of oxygen, keep the quality, freshness, taste, color for an extended storage and make it easy to transport and export the packed goods.

3. Property feature

1) For the packager with a single-chamber, the process of packing is shown in a very clear way with the organic cover equipped.

2) With the two vacuum chambers work in turn to have the packing and sealing well linked up with the preparations, the efficiencies greatly enhanced. Both upper and lower work chambers are made of stainless steel. Reasonable in the structure, good gas tightness, beautiful, durable and in line with the requirement of food sanitation and anti-rottenness.

This packager is set with the function of combing vacuum, sealing, painting in one process and for different packing materials and requirements, with the adjustable device for the vacuum, hot-sealing temperature and time so as for the users to get optimum selection and adjustment for an optimum effect of packing, the printing device with a convenient letter-change and clear printings available per the desire of the users, with which, users may print on the sealing at the same time for sealing the valid period, date of ex-factory, code of ex-factory etc. to meet with the provision of

the national food label law. The packager features advanced design, full function, stable and reliable performance, good sealing strength, strong packing capacity, convenient operation and service, high economic benefit etc. and is the ideal machinery for the vacuum package.

4. Major technical parameters

- 1) Lowest absolute pressure intensity in the vacuum chamber 1kpa.
- 2) Volume of vacuum chamber (LxWxH): 440*440*130mm(400 single-chamber)
450*400*130mm(400 double-chamber)
570*470*90mm(500 chamber)
- 3) Packing speed: 13 times/min.
- 4) Power supply: three-phase 380V 50HZ, single-phase 220V 50HZ
- 5) Motor power: 0.75KWEx2 (500 double-chamber)
0.75KW (400 single-and double-chamber)
- 6) Hot-sealing power: 0.9KW (500 double-chamber)
0.8KW (400 double-chamber single-chamber)
- 7) Evacuation rate: 11L/S (500 double-chamber)
5.5L/S (400 single and double-chamber)
- 8) External dimension (LxWxH):
- 9) Weight: 120kg (400 single-chamber), 180kg (400 double-chamber)
215kg (500 double-chamber)
520*490*930mm (400single -chamber)
990*720*930mm(400single -chamber)
1300*770*960mm(500 double-chamber)

5. Structure and principle

This packager consists of the upper and lower vacuum chambers, body, electrics, vacuum system five parts. The upper chamber's top is set with a group of hot-pressing sealing device and the lower one is set with the hot-pressing sealing device. The heating element is the Ni-cr tape and mounted on the Bakelite hot-pressing stand, which is absolutely insulated from the vacuum chamber and closely fitted on the

DZQ 400/500 vacuum packager

Fig 1 construction

DZQ 400. 1 D Single-chamber

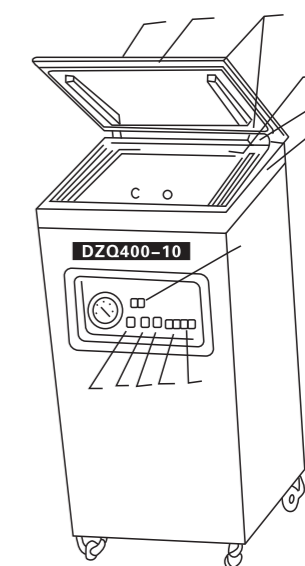
1. external and operation panel arrangement figure:

Part of the vacuum chamber:

- 1) Organic glass cover
- 2) Sealing ring
- 3) Press bar
- 4) Starting switch (upper,lower contacts)
- 5) Vacuum filling plate
- 6) Vacuum chamber
- 7) Hot-sealing device(upper press bar, lower holder)

Part of the panel:

- 8) Power selection switch
- 9) Vacuum time selection knob
- 10) Vacuum manometer
- 11) Time selection button
- 12) Sealing temperature selection button
- 13) Quick stop button
- 14) Time display



DZQ 400/500 double-chamber

1 external and operation panel arrangement figure fig, 1 construction

1. Upper working chamber
2. Sealing reing
3. Lower working chamber
4. Swing rod..
5. Control panel

