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1. Product brief

DC-600 is specially designed for Mingseal automatic dispensing platform, and also can be used separately; check the photos below, DC and automatic dispenser platform can be used together for high-precision dispensing work.



1.1 Product functions & features

1. air-pressure regulation for air out-put
2. air pressure regulation 0.05—0.6MPa, applicable for various adhesives with different viscosity
3. SHOT button, easy to set glue dispensing vol., resorption parameters, etc.
4. with dispensing delay function, to achieve precise control of glue vol.
5. vacuum resorption device, to prevent liquid from dripping; resorption vol. parameters can be regulated.
6. small size, easy operation.

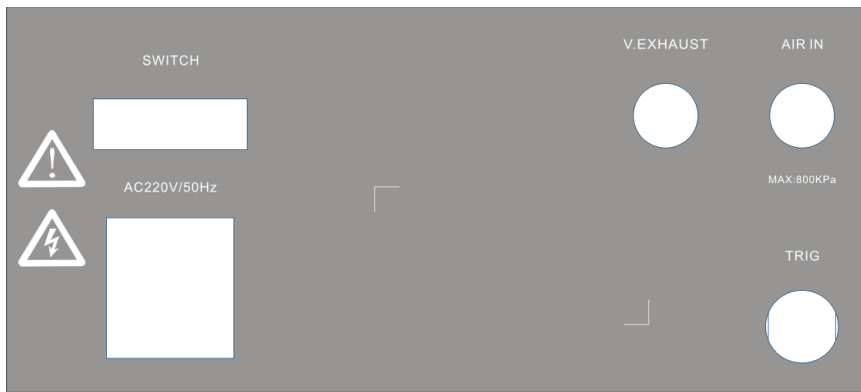
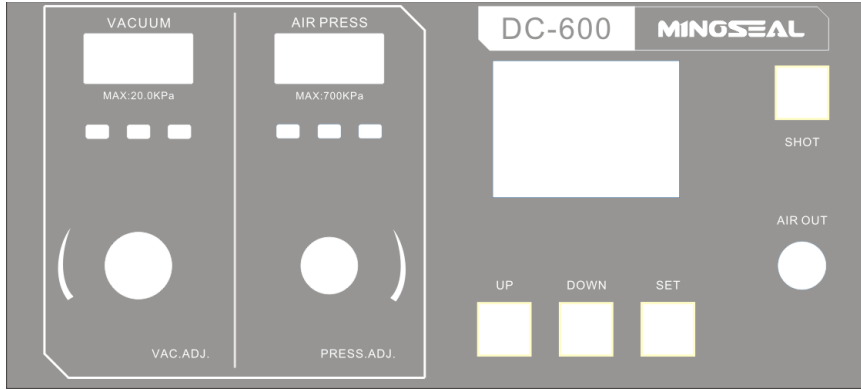
1.2 Product specifications

1. Input air pressure: 0.1—0.7MPa
2. Output air pressure: 0.05—0.6MPa
3. Mini open time: 10ms
4. Mini dispensing vol.: 0.005ml
5. Dispensing delay time: 10ms—99.99s
6. Input voltage: AC200—240V/50Hz
7. Horsepower: 15W(Max.)
8. Wet.: 2.5KG
9. Oversize: 192(W)×95(H)×245(L) (mm)

2. Setup & operation manual

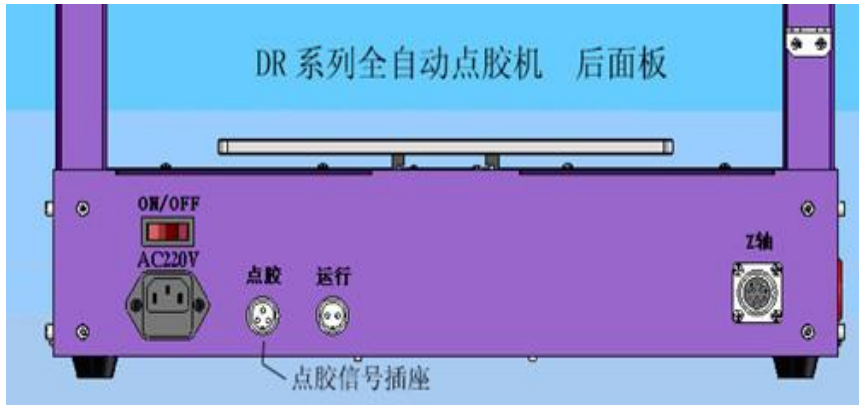
2.1 equipment setup

1. connect the air source: use air pipe to connect "AIR OUT" mouth to glue syringe; use air pipe to connect "AIR IN" mouth(the back) to the outer air source.



2. connect the signal wire: use the signal wire to connect "SIGNAL"(the back of controller) to the "dispense"(the back of DS dispenser platform) ; the signal wire head is 3-core plug.





3. when DC-600 in independent work, connect the "SIGNAL" socket's No. 1 & 3 foot (air plug foot 1 & 3) to foot pedal normal-open point.
4. connect the power wire.

2.2 operation manual

Attention: make sure the equipment in reliable power supplication, good and clean working environment, and stable air source.

LCD display shown as figure 3 & 4.

- Top-right area is the working type: TIMED/STEADY
- Bottom-right area is the dispensing time, unit is ms(s)
- Top-left area is the working type channels, from 0 to 9



Figure 3 【TIMED】 type, and time unit is s & ms



Figure 4 【STEADY】 type, and the dispensing time unit is s & ms

working type selection: indicated on the top right area of the LCD display; link-working type is **【STRADY】**, rated-time type is **【TIMED】**; press **【UP】** button will change the working type.

Continuous dispensing time unit selection: indicated on the bottom-right area of the LCD display; the dispensing time can be set with **【0010ms~9999ms】** or **【00.01s~99.99s】**; press **【DOWN】** to switch dispensing time units & time range.

rated-time setting: press **【SET】** once, and enter time-setting program; then the channel signal on LCD display's top-right area will flash; press **【UP】** or **【DOWN】** button to select the channel(range: 0~9), and press **【SET】** with confirmed data. LCD display bottom-right area (dispensing time) will flash in 1st digital; press **【UP】** or **【DOWN】** to adjust the 1st digital, and then press **【SET】** to confirm; the 2nd to 4th digital can be adjusted by this way. After all digitals' setting, press **【SET】** once; then the dispensing time will not flash, and the time setting is finished.

working/resorption air-pressure display: working/resorption air-pressure data is indicated on the left area of controller's front panel; it shows air-pressure parameters.

Air-pressure knob 'PRESS.ADJ': this knob is used for regulating the working air-pressure of dispensing controller; the parameters will be indicated on 'PRESS.ADJ' display windows of controller's front panel.

Button 'SHOT': used for test dispensing volume, adsorption volume, etc; it can also be used as the normal working status signal. When controller in 'STEADY' module, press 'SHOT' button to start the dispensing; loose 'SHOT' button to stop the dispensing. When controller in 'TIMED' module, press 'SHOT' to start dispensing; the dispensing time will delay to rated time, and the dispensing stop.

Resorption force regulating knob 'VAC.ADJ.': used for regulating the vacuum resorption volume; the parameters in indicated on the 'VACUUM' display windows of controller front panel. Right screw the knob to limit, and the resorption force is zero; left screw the knob, and the resorption force becomes bigger, till to limit end. The resorption force should be set in best status when dispensing work. Attention: resorption force is affected by the air source pressure. When resorption force knob 'VAC.ADJ.' in the same position, bigger air-source pressure will cause bigger resorption force. When air-pressure <0.2MPa, the resorption will be in poor function.

NOTE: the regulation of vacuum resorption volume depends on the practical dispensing status; the force/volume should not be too big, otherwise, the glue will be back into the air channel, and may cause some faults in controller.