

INSTRUCTION MANUAL

MANUAL

AIRBRUSH COMPRESSOR

Thanks for purchasing our airbrush compressor and please read this Instruction Manual carefully and thoroughly before operating the tool to get best performance.



CE

1. Features & Functions:

Features:

Portable & lightweight

Low noise

Thermally protected.

Over pressure protected.

Auto stop

Pressure-adjustable.

Constant pressure and Zero pulsation.

2. Specification:

Specifications:

Type: Single Cylinder Piston Compressor With Air Tank

Power: 1/5 HP

Voltage: 220-240V / 50HZ 110-120V, 220V / 60HZ

Air output per min./litres: 23L/min

Auto stop, start at 30 psi, stop at 60 psi (special pressure available)

Safety valve: release the air pressure automatically when the pressure over 6bar in the air tank.

Air tank: 3.0L

Fitting: manometer; pressure regulator; air filter;

Connections: with connection 1/8" BSP

Weight: 5.2KG Dimension: 310X130X310mm

3. Operation directory:

1. This compressor is fitted with a 1/8" BSP screw thread connection for high-pressure air hose as a standard feature. To connect 1/4" BSP air hose, you will need a 1/4"—1/8" adapter.
2. Connect the appropriate pressure hose.
3. Connect the airbrush or other tools.
4. Plug into the mains supply.
5. Press the on/off switch.
6. The manometer shows the working pressure. You can use the pressure adjustment to set a suitable working pressure.
7. Ensure that the working area is well ventilated.

4、 The difference between maximum and working pressure

A compressor's maximum pressure is the highest pressure it can build up. When a connected airbrush (or other air tool) is opened, it is precisely with this pressure that compressed air initially shoots out through the airbrush (or other tool) nozzle. In contrast, the working pressure is the constant pressure the compressor can maintain during airbrushing. The level of this working pressure depends, on the one hand, on the compressor's power (combination of air/liters output per minute and maximum pressure) and, on the other hand, the nozzle diameter of the airbrush (or other air tool) to which it is connected; the larger the nozzle diameter, the greater the amount of air which can escape and the lower the compressor's working pressure.

5、 Chamber / Air Tank

Some compressors are fitted with an air tank, which stores the compressed air before it is delivered to the airbrush (or other air tool). The capacities of these air tanks can vary considerably.

The advantage of the air tank:

1. Tanks provide a reservoir of pressurized air that you can draw from while you're spraying.
2. You can draw air at a regulated pressure from the tank instead of the

average pressure of the piston cylinders.

3. Because you're drawing air from the tank you're eliminating the tiny pulsation in the air supply caused by the physical motion of pistons pressurizing air.
4. The life of the compressor engine increases because it pumps air as the tank needs it instead of always being on.
5. Tanks are great first line moisture traps.

Air tanks with a capacity of 1L or more liters are frequently found in high quality piston compressors. The air pressure is built up to the maximum pressure in these tanks. At excess pressure either a safety valve opens or the compressor shuts off automatically and does not start up again until the pressure in the air tank has fallen below a certain level. The latter option is predominantly found in very high quality compressor. Our air compressor is a high quality piston compressor with 3.0L air tank together with both safety valve and automatic stop system.

6. Hose Connections

The connections between compressor and hose connector are not always airtight. 100% air tightness is, however, only absolutely essential in the case of automatic models. Teflon tape can be used to prevent leakage. This elastic tape is available in all stores selling sanitary products.

7、 Air compressor structure



- a. Power plug
- b. Pressure regulator
- c. Pressure gauge
- d. Connection
- e. Air filter