

# INSTRUCTION MANUAL

## AIR COMPRESSOR DC600R

Thank you for purchasing The Paasche DC600R Airbrush Compressor. Please read this Instruction Manual carefully before operating the compressor to get the best performance.



CE ROHS

## 1. Features:

1. Compressor with cover and two airbrush holders.
2. The Air tank provides smooth air flow and eliminates pulsation.
3. Twin cylinders that supply high air flow for one or two airbrushes.
4. Oil free piston type compressor.
5. Includes moisture filter, pressure regulator and gauge.
6. The auto release pressure valve allows the compressor to start without any line pressure to prolong the motors life.
7. Thermally protected.
8. Low noise level - 47 db's.

## 2. Specification:

**Type:** Twin cylinder Air Compressor with Tank and Cover

**Power:** 1/6 HP

**Speed:** 1450/1700 r.p.m

**Air output per min./liters:** 35~40L/min

**Double switch:**

Switch 1: Auto start at 43PSI, auto stop at 57PSI

Switch 2: Max pressure at 86PSI, auto shutoff disabled

**Pressure adjust range:** 0~55 PSI (Depends on Airbrush being used)

**Air tank:** 3.5L

**Fitting Size:** 1/4"NPT

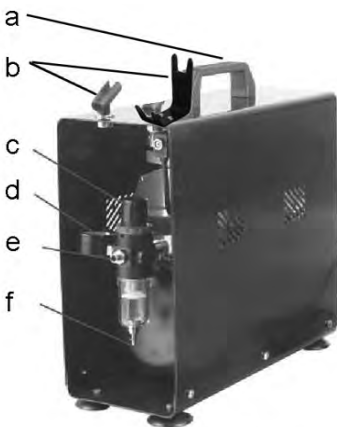
## 3. Operation directory:

1. Connect the air compressor, air hose and airbrush (or other air tools), plug in compressor, turn on the switch, and the air compressor will start pumping air. The gauge will show the max pressure, and you can adjust the working pressure by adjusting the pressure regulator knob.
2. **Checking for air leaks.** After turning the compressor on wait for the tank to fill and the compressor to turn off (auto stop function). Then check the needle of the pressure gauge. If the needle on the gauge is steady there are no leaks. If the needle drops you have an air leak between one of your threaded connections. Check to make sure all threaded connections are wrench tight and use Plumber Tape if needed.
3. **The difference between max pressure and working pressure.**  
A compressor's maximum pressure is the highest pressure it can build up without the airbrush being triggered. In contrast, the operating pressure is the constant pressure the compressor can maintain while airbrushing. The working pressure depends on the nozzle diameter of the airbrush 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.

4. The compressor has a tank which can store compressed air before delivery to the airbrush (or other air tools). The advantages of the tank are as follows:
  - a. Tanks provide a reservoir of pressurized air that you can draw from while you're spraying.
  - b. You can draw air at a regulated pressure from the tank instead of the average pressure of the piston cylinders.
  - c. Because you are drawing air from the tank you are eliminating the tiny pulsation in the air supply caused by the physical motion of pistons pressurizing air.
  - d. The life of the compressor motor increases because it pumps air as the tank needs it instead of always being on.
  - e. The tank helps to eliminate moisture from the air.

#### 4. Notice:

1. The users should choose the right air compressor with suitable air flow and pressure according to the actual work requirement.
2. Before connecting the compressor, check that the main voltage complies with the electrical characteristics of the motor.
3. Please follow local electrical and safety rules. Electric plug must be grounded.
4. Never leave the compressor exposed to dust, acids, vapors, explosive or flammable gasses, or atmospheric agents (rain, sun, fog, snow).
5. The vacuum pump must be used in suitable environments (well-ventilated, with an ambient temperature between +41F and +104F )
6. Never use the compressor in your bare feet or with wet hands or feet.
7. Never allow children to touch the working compressor or insert objects into the machine. It can cause scalding or an electric shock.
8. Do not open or tamper with any part of the compressor.
9. When the compressor will not be used for a long time, open the water drain valve under the tank. Store the compressor in a well ventilated and dry place.



- a. Handle
- b. Airbrush holder
- c. Pressure regulator
- d. Pressure gauge
- e. Air outlet
- f. Water release valve



#### **Double switch:**

Switch 1: Auto stop at 57 PSI

Switch 2: Max pressure at 87 PSI

# R-75 Regulator and Filter Installation, Operation and Maintenance

**WARNING!** The polycarbonate plastic material used to manufacture the plastic bowls may be attacked by certain chemicals. Do not use this filter system with air supplied by a compressor lubricated with synthetic oils or oils containing phosphate esters or chlorinated hydrocarbons. These oils can carry over into the air lines and chemically attack and possibly rupture the bowl. Also, do not expose the bowl to materials such as carbon tetrachloride, trichlorethylene, acetone paint thinner, cleaning fluids, or other harmful materials, for they too will cause the plastic to craze and/or rupture. For use in environments where any of these chemicals may be present, consult the factory.

**INSTALLATION:** Install in vertical position with air supply connected to the **in** port stamped on body of unit. Before piping-in, blow out line to remove scale and other foreign matter. If pipe compound is used apply only to male threads and just enough to make tight connections.

**WARNING:** Maximum primary air pressure 135 p.s.i. Temperature Range 40°F to 125°F. Accurate regulation between 2 and 60 p.s.i. Depressurize regulator before servicing.

**MAINTENANCE:** To obtain best efficiency and longest periods of trouble-free operation the air supply must be kept clean as dirt is the most common cause of erratic regulator operation. Only a few parts require occasional replacement most troubles can be cured and prevented by a thorough and careful cleaning procedure. To clean it is not necessary to remove unit from its piping or line. At the bottom of the bowl is a manual drain valve which should be periodically opened particularly when sediment is visible in bowl.

**DISASSEMBLY FOR CLEANING:** Depressurize the air line, unscrew and remove the bowl. Unscrew filter element and let down bottom disc, filter, top disc, spring and plunger. Note orientation of plunger and top disc. Clean filter element and assemble parts as removed. Make sure "o" ring seal for bowl is in place. Tighten the filter element and bowl hand tight.

**CLEANING:** For best results clean parts with soap water. After cleaning blow out parts including body of unit with compressed air. The bronze filter should be blown out from the inside, blocking one end with folded rag. **Plastic bowl must be cleaned with household soap only!**

