



Regulator/Filter

ASSEMBLY AND OPERATION MANUAL



INSTALLATION

WARNING!

- Disconnect the air compressor from electrical outlet during installation.
- Decompress the air-compressor tank and all of the lines before installing the regulator.
- After installation check the system for air leaks. If air leaks are detected or the system is not functioning properly shut the air supply off and fix the problem before using.

The first thing to consider during installation is location. It is important to locate the unit so that it is easily accessible and so that the gauge can be easily read. The regulator should be positioned so that the water trap is located on the bottom as shown in the photo above.

The words "IN" and "OUT" are embossed on the side of the regulator body to indicate the proper airflow direction. Connect the "IN" side of the regulator to the air compressor using one of the included fittings. To get a proper seal between the air compressor and regulator use a small amount of pipe joint compound or Teflon tape on the male fitting. Gently tighten the fittings using a wrench. Make sure you do not overtighten the fittings it could cause damage to the regulator.

Connect the airbrush to the "OUT" side of the regulator using the airbrush hose. Again, to properly seal between the air hose fitting and regulator a small amount of pipe joint compound or Teflon tape should be used on the male fitting. Gently tighten the fittings using a wrench. Make sure you do not overtighten the fittings as it could cause damage to the regulator.

Before turning on the air compressor, turn the adjusting knob counterclockwise until it stops. Turn the compressor on and slowly turn the adjusting knob clockwise until it reaches the desired air pressure. If any problems or leaks are detected, immediately turn the air supply off and correct the problem before use.

OPERATION

WARNING: Operating range on the regulator is 2-160 psi. Exceeding this range could result in damage to the regulator and personal injury.

To increase air pressure to the airbrush, pull the adjuster knob to the unlocked position and **slowly rotate the knob clockwise until the desired air pressure** is achieved. Then, push the adjuster knob back in to lock it into place.

To decrease air pressure to the airbrush, pull the adjuster knob to the unlocked position and **slowly rotate the knob counterclockwise until the desired air pressure** is achieved. Then, push the adjuster knob back in to lock it into place.

MAINTENANCE

The filter requires regular draining and maintenance. To clean the filter, shut off the air supply and turn the bleeder valve located on the bottom of the bowl to relieve the pressure. Carefully unscrew the bowl and unscrew the filter assembly from the regulator body. Carefully wash out the bowl using a light soap and water solution. Thoroughly rinse the soap from the filter and bowl before re-installing. The filter can periodically be cleaned using Kerosene and blown out with compressed air (always take precautions when using flammable substances and observe safety precautions). Do not use anything abrasive to clean the filter or bowl, it could cause damage to them. Inspect all parts for damage or wear before re-installing. Replace damaged or worn parts before re-assembling the unit, failure to do so could cause bodily harm or damage to the regulator/filter. Lightly grease the O-ring inside the regulator body then carefully re-assemble the filter assembly and re-install it. Re-install the bowl onto the regulator body. Make sure to not overtighten the bowl on the body as it could damage the bowl. Turn the air pressure regulator knob all the way out in case the filter assembly is not properly installed. Gradually, increase the air pressure until the desired pressure is obtained.

READ THROUGH THIS MANUAL BEFORE USING YOUR REGULATOR/FILTER. IT CONTAINS IMPORTANT INSTRUCTIONS AND WARNINGS CONCERNING THE USE OF THIS REGULATOR/FILTER.

WARRANTY

Model Maker warrants this product to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. During that time, we will repair or replace, at our option, any product that does not meet these standards. You will be required to provide proof of purchase date (receipt with UPC proof-of-purchase or invoice).

If, during the one year warranty period, your Model Maker product shows defects caused by abuse, misuse, or accident, it will be repaired or replaced, at our option, at a service charge not greater than 50% of the current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair.

Under no circumstances will the purchaser be entitled to consequential or incidental damages.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

If you attempt to disassemble or repair this unit yourself, it may void the warranty.

For service on your Model Maker product, either in or out of warranty, send it post paid and insured to:

Hobby Services

3002 N. Apollo Drive, Suite 1
Champaign IL 61822 USA
(217) 398-0007
www.hobbyservices.com

This warranty applies to USA and Canada only. For service in other countries, please inquire at the place of purchase. Customers residing outside the USA and Canada who wish to have service performed at our USA service center will be responsible for all postage charges.

This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

OTHER ITEMS AVAILABLE FROM MODEL MAKER



Model Maker DA400 Double Action Pro Airbrush Kit

Suitable for artwork and fine detail painting, the DA400 Airbrush for 15-30 PSI features a precision-machined fine nozzle and double action, trigger air-paint control with internal mix. The kit includes a barbed hose adapter, 9cc side-mount paint cup, and wrench. **HCAR4012**



Model Maker DA450 Double Action Pro Airbrush Kit

Ideal for artwork and fine detail painting, the bottom-feed DA450 Airbrush for 15-30 PSI features a precision-machined fine nozzle

and double action, trigger air-paint control with internal mix and external needle stop adjustment. The kit includes extra 22cc and 50cc paint jars, 7cc paint cup, braided air hose, two optional nozzles and needles, and wrench. **HCAR4014**



Model Maker DA500 Double Action Pro Paint Gun Kit

Suitable for artwork and fine detail painting, the DA500 Airbrush for 15-30 PSI features a precision-machined fine nozzle and double action air-paint control with internal mix. The kit includes 5 feet of air hose, can adapter, 22cc side mount paint cup, and wrench. **HCAR4016**



Model Maker Mini Air Compressor

This diaphragm type compressor is suitable for use with all airbrushes. It features a durable cast aluminum body, manual on/off switch, and cushioned handle. Moving parts use sealed, oil-less bearings to minimize maintenance. **HCAR4050**