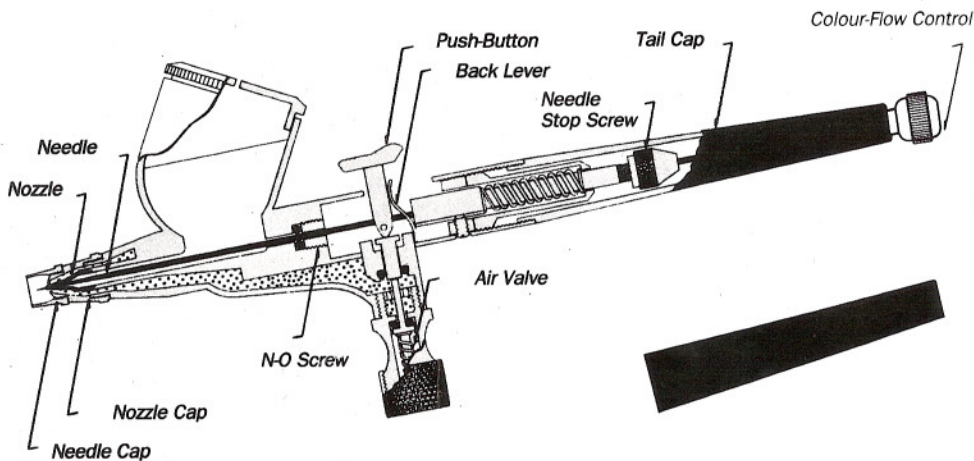


AIR BRUSH



Handle for Models:
 DH-101
 DH-102
 DH-103
 DH-115
 DH-125

Handle for Models:
 DH-1
 DH-2
 DH-3

OPERATING INSTRUCTIONS

AIR PRESSURE

Operating pressures vary from 15 psi to 45 psi, depending on what textures are desired. The fluidity of the paint will have an effect on what is the ideal pressures to use, so if you are able to vary your working air pressure, the best advice, is to experiment.

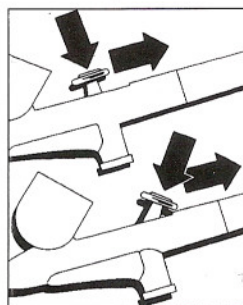
PAINT PREPARATION

Whatever kind of paint you use, make sure that it's a milky consistency, you may have to mix some paints with water or a solvent to achieve this. It is best to prepare the paint relatively thin and make repeated passes across the artwork to achieve the desired shade. There are many different types of inks and water colours available that can be used straight from the bottle and are ideal for airbrush work.

OPERATING YOUR AIRBRUSH

All models in the HP airbrush range are independent, double-action models. This design allows you to control air and colour supplies totally independently, so you can achieve a vast range of different effects and finishes.

The double-action refers to the lever, press down for air, pull back for paint. The further the lever is pressed down, the stronger the air force, the further the lever is pulled back, the greater the amount of paint. The balancing act of blending the right amount of air and paint comes with experience.



THE START

With double-action airbrushes there is a "golden rule" for operation - **"AIR ON FIRST, AIR OFF LAST"**.

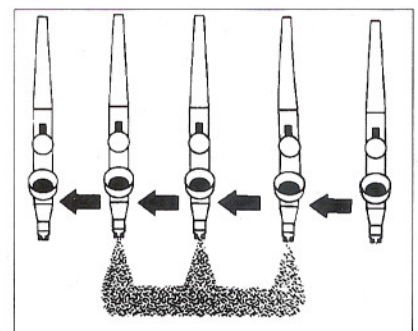
The key is to start off spraying with air only, the situation you must avoid at all costs is **"PAINT ON, AIR OFF"** - that is, the lever pulled back but not depressed. In this case, paint accumulates on the needle and sits there waiting for the air to arrive. When it does, the paint simply splats onto your artwork. Always press the lever down before you pull it back, and when you stop spraying make sure it's fully forward before you lift your finger off.

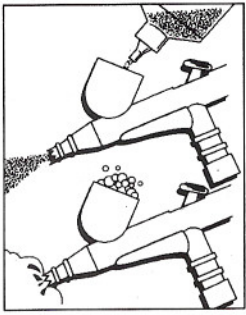
Initially, when you start spraying with your airbrush, you should practice freehand spraying. Hold your airbrush, loaded with paint, about 7.5cm from the surface and just spray away - you'll soon pick up the behavioural patterns of your airbrush. After a while, try varying the spray by moving your airbrush closer to the surface, the finer and stronger the line, the further away, the broader and weaker the line.

A GOOD TIP FOR SPRAYING A CLEAN FINE LINE

Don't start by pointing the airbrush at the exact spot where you want the line to begin. Start earlier, moving smoothly towards the target point with air only.

When you're in line with the point, pull back the lever for paint. Similarly, at the end of the line, switch off the paint but carry on for a second or two with air only.





CLEANING YOUR AIRBRUSH

Keeping your airbrush clean is the simple most important aspect of owning an airbrush. The vast majority of airbrush problems are connected to the fact that the airbrush is simply blocked up or seized up through lack of regular thorough cleaning. Your airbrush needs to be cleaned between every colour

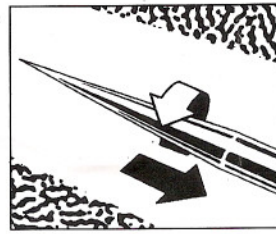
change by flushing through with water or a cleaning agent and paint should never be allowed to stand for any length of time in the colour cap.

PROCEDURES FOR CLEANING:-

- 1 Loosen the needle stop screw and pull the needle back a little bit.
- 2 Add a few drops of water or cleaning solution.
- 3 Place your finger or a piece of cloth over the needle cap and blow a little air through to produce backspray into paint passage. This will dislodge any paint residue from the nozzle and the paint passage.
- 4 Clean the colour cup with a Q-tip.
- 5 Flush out the airbrush with water or cleaner.

CLEANING NEEDLES & NEEDLE CAPS

Especially with pigmented colours, paint will build up on the needle and on the inside of the needle cap. Both parts must, therefore, be cleaned frequently.



PROCEDURES FOR CLEANING:-

- 1 Remove the needle and draw it gently across a piece of soft cloth or a sheet of blotting paper away from the tip, rotating it as you go.
- 2 Unscrew the needle cap and clean the inside with a Q-tip and water or Airbrush cleaner.
- 3 Check the Nozzle from time to time to ensure it is not damaged. Only remove it when it needs replacing.
- 4 Replace needle cap.
- 5 Carefully insert the needle, pushing it with slight pressure against the nozzle with a little rotating movement to ensure a proper seat. Finally tighten the needle chucking unit.



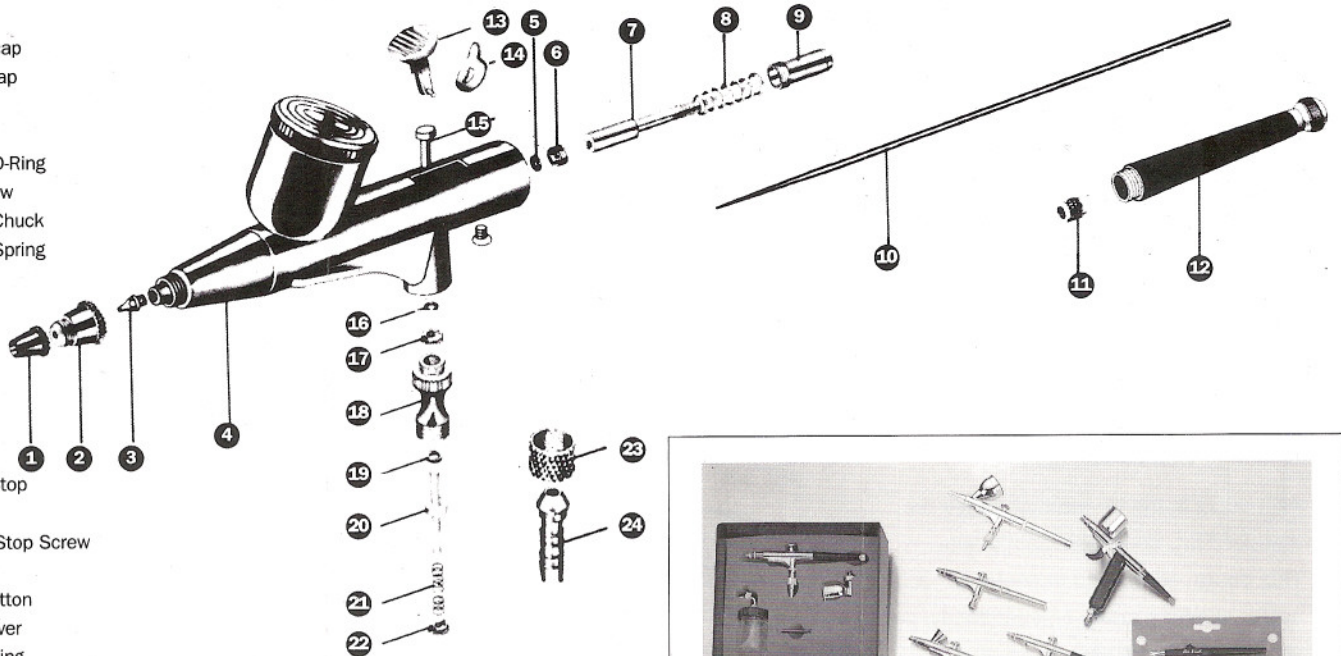
MAINTENANCE & TROUBLESHOOTING

There are three tips you should take as your starting point when carrying out maintenance work on your airbrush.

- 1 Make sure you have the diagrammatic breakdown and parts list of your airbrush to hand, as well as showing all the internal parts. It will enable you to specify a new part should you need one.
- 2 Choose a work surface that is flat and well lit, it helps to have a magnifying glass to hand for inspecting minute components.
- 3 Most important of all, if you're not sure what's wrong and don't know how to fix it, consult your dealer, it can be all too easy to make an expensive mistake. Apart from the specific problems where it is indicated you should consult your dealer.

AIRBRUSH PARTS

- 1 Needle cap
- 2 Nozzle cap
- 3 Nozzle
- 4 Body
- 5 Needle O-Ring
- 6 N-O Screw
- 7 Needle Chuck
- 8 Needle Spring



- 9 Spring Stop
- 10 Needle
- 11 Needle Stop Screw
- 12 Tail Cap
- 13 Push Button
- 14 Back Lever
- 15 Piston Ring
- 16 Piston O-Ring
- 17 Valve up Pin Guide
- 18 Air Valve Casing
- 19 Air Valve Pin O-Ring
- 20 Air Valve Pin
- 21 Air Valve Spring
- 22 Valve down Pin Guide
- 23 Air-Tube S Screw
- 24 Air Tube Clasp

