INTRODUCTION

Your Apollo Sprayer is a precision engineered high quality product that will give years of reliable service and excellent results, provided you follow the instruction and advice given in this booklet.

See the back page for technical support.

CONTENTS

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Notes</td>
<td>2</td>
</tr>
<tr>
<td>Using the Hobby Plus Spray Gun</td>
<td>3 to 4</td>
</tr>
<tr>
<td>Using the ANB300 Spray Gun</td>
<td>5 to 8</td>
</tr>
<tr>
<td>Paint Viscosity</td>
<td>9</td>
</tr>
<tr>
<td>Basic Spraying Techniques</td>
<td>9 to 10</td>
</tr>
<tr>
<td>Filter Removal / Replacement</td>
<td>11</td>
</tr>
<tr>
<td>Fault Finding / Preventative Maintenance</td>
<td>12</td>
</tr>
</tbody>
</table>

SETTING UP

The Apollo spray system consists of three main items: the turbine unit, the spray gun and the hose.

Your first step is to connect the hose to the spray gun and the turbine. Some models have a push on fitting others have a quick connect fitting. Whichever hose you have do not use excessive force, see page 6.

When the turbine is running the Hobby Plus spray gun will exhaust air all the time.
The ANB300 spray gun will only exhaust air when you pull the trigger.
IMPORTANT

Read these safety instructions in conjunction with your Apollo manual

FOREWORD

Parts and service advice are available from your Apollo distributor.

It is important to quote the MODEL TYPE and SERIAL NUMBER in all communications.

The substitution of parts not manufactured or approved by Bambi Air Compressors Ltd, can impair the performance, service life and create potential mechanical or personal hazards as well as invalidating your warranty.

Operation and routine service are covered in this manual. Bambi Air Compressors Ltd reserve the right to modify the contents of this manual without prior notice and the information given is in no way binding to the company.

SAFETY PRECAUTIONS

All spray painting can be a hazard to health and safety if not handled correctly.

! Never direct paint or any other fluids at any part of the human body
! Do not dismantle the spray gun or disconnect hoses until the turbine is switched off
! Site the turbine in a well ventilated area and position away from the user to ensure no solvent vapours can be drawn into the turbine. Particular attention must be paid when working indoors to ensure a sufficient flow of air will extract all solvent vapours. When working outside take into account the wind direction.
! Whenever spraying you must wear an appropriate face mask or respiratory equipment
! Always follow the material manufacturers application guidelines which can normally be found on the original container
! During operation the turbine outlet and hose connection will become quite hot to the touch, this is a normal operating condition, but care must be taken to prevent burns ( when the turbine has been switched off allow sufficient time for the fitting to cool before attempting removal )

ELECTRICAL CONNECTIONS

! IMPORTANT !

Do not attempt any work on the turbine until it has been isolated from the mains electricity supply.

Turbines are supplied with a length of mains cable wires coded to IEC227 and IEC245.

i.e., BLUE - NEUTRAL          BROWN - LIVE          YELLOW/GREEN STRIPE - EARTH
<table>
<thead>
<tr>
<th>Position No</th>
<th>Description</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Needle</td>
<td>GP123</td>
</tr>
<tr>
<td>2</td>
<td>Needle Spring</td>
<td>GP124</td>
</tr>
<tr>
<td>3</td>
<td>Paint Flow Adjusting Screw</td>
<td>GP125</td>
</tr>
<tr>
<td>4</td>
<td>Gun Body - Spraymate</td>
<td>GP126</td>
</tr>
<tr>
<td>5</td>
<td>Gun Body - Spraymaster</td>
<td>GP127</td>
</tr>
<tr>
<td>6</td>
<td>Cruciform</td>
<td>GP128</td>
</tr>
<tr>
<td>7</td>
<td>Spray Jet</td>
<td>GP129</td>
</tr>
<tr>
<td>8</td>
<td>Aircap</td>
<td>GP130</td>
</tr>
<tr>
<td>9</td>
<td>Aircap Locking Ring</td>
<td>GP131</td>
</tr>
<tr>
<td>10</td>
<td>Paint Tube</td>
<td>GP132</td>
</tr>
<tr>
<td>11</td>
<td>Cup Top Seal</td>
<td>GP133</td>
</tr>
<tr>
<td>12</td>
<td>Paint Cup</td>
<td>GP134</td>
</tr>
<tr>
<td>13</td>
<td>Gland Seal (4)</td>
<td>GP135</td>
</tr>
<tr>
<td>14</td>
<td>Gland Nut</td>
<td>GP136</td>
</tr>
<tr>
<td>15</td>
<td>Trigger</td>
<td>GP137</td>
</tr>
<tr>
<td>16</td>
<td>Trigger Pin</td>
<td>GP138</td>
</tr>
<tr>
<td>17</td>
<td>Jet Seal</td>
<td>GP139</td>
</tr>
</tbody>
</table>
USING THE HOBBY PLUS SPRAY GUN

SPRAY PATTERN

The shape of spray pattern can be determined by rotating the aircap into 3 positions. To select the spray pattern required, slightly slacken the aircap locking ring, turn the aircap to one of the positions shown below, then tighten the aircap locking ring - finger tight only.

1 Use this position when spraying from side to side
2 Use this position when spraying up and down
3 Use this position when spraying small items, corners or angles

PAINT FLOW

Paint flow adjusting screw

The amount of paint being applied is adjusted with the paint flow adjusting screw. Turn in to decrease the flow and turn out to increase the flow.
USING THE ANB300 SPRAY GUN

SPRAY PATTERN / SHAPE ADJUSTMENT

The shape of spray pattern can be determined in three ways, turn the air cap to one of the positions shown below, you may need to loosen the air cap retaining ring first.

For spraying side to side

For spraying up and down

Use the control knob to change from the fan to spot pattern quarter turn only required

When spraying upwards (ceilings) turn the cup top 180° so that the paint tube faces towards the handle
**PAINT FLOW ADJUSTMENT**

Turn the paint flow adjusting screw in to decrease the flow and screw out to increase the flow.

**Hint !** It is better to spray two light coats rather than one heavy coat, this will reduce the risk of runs or sagging forming.

**AIR HOSE CONNECTION**

The air hose is fitted with a quick release connector, pull back the collar of the connector then push on to the base of the spray gun handle, at the same time release the collar. To remove, pull back the collar and the connector will come away from the spray gun.

To connect the air hose to the turbine, screw the hose connector onto the outlet of the turbine making sure the thread is not crossed.

It is normal for this hole to exhaust air when the machine is in use.

To use the spraygun holder pull back on the collar of the connector and push the spraygun into the base of the connector, release the collar to hold the gun in place.
SELECTING A SPRAY SET UP

The ANB300 Spray gun is factory fitted with a 1.3mm Needle, Jet and Air Cap set.

<table>
<thead>
<tr>
<th>Part No</th>
<th>Size</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANB329</td>
<td>0.8mm</td>
<td>Lacquers, Wood Stains, Synthetics, Cellulose, Acrylics, Oil, Fine intricate output.</td>
</tr>
<tr>
<td>ANB331</td>
<td>2.0mm</td>
<td>Polyurethanes, Glitter Paints, Fluorescents, Creosote, Wood Primer, Emulsions, Adhesives, Floor/Paving Paint, Medium to Heavy output.</td>
</tr>
<tr>
<td>ANB336</td>
<td>2.8mm</td>
<td>Hammers, Oil Base, Primers, Enamels, Marine, Masonry, Texture Coatings, Heavy Primers, Water and Solvent based Adhesives. Higher viscosity products.</td>
</tr>
</tbody>
</table>

CLEANING THE GUN AFTER USE

Care must be taken in cleaning and maintaining your spray gun.

1. Empty any unused material from the paint cup and wash out any residue with the appropriate solvent.
2. Remove air cap, Clean with solvent. Ensure the air holes in the cap are clear.
3. To clean the spray jet you will have to first remove the air cap.

Ensure all parts are clean before re-assembly.

Note:- Replace any worn or damaged seals.

FAULT FINDINGS

Paint leaking from the spray jet. Needle not seating in the spray jet Check for debris or worn parts

Poor atomisation / splattering
Paint too thick Check viscosity
Wrong spray set up Refer to guide

Paint leaking
From gland nut/seal Check the tightness of the nut or replace seal
From cup Check cup seal
The correct viscosity of the material is essential to ensure an optimum finish. Most materials will require thinning before use.

To achieve the correct viscosity you need to use the viscosity cup supplied. Hold your finger over the small hole on the base of the cup, fill the cup with the material to be sprayed. Take away your finger and time the material until it ceases to be a steady flow and starts to drip.

The following chart may be helpful.

<table>
<thead>
<tr>
<th>Type of product</th>
<th>Approximate time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose</td>
<td>18 seconds</td>
</tr>
<tr>
<td>Creosote</td>
<td>As supplied</td>
</tr>
<tr>
<td>Emulsion</td>
<td>27 seconds</td>
</tr>
<tr>
<td>Hammer</td>
<td>24 seconds</td>
</tr>
<tr>
<td>Gloss Enamel</td>
<td>24 seconds</td>
</tr>
<tr>
<td>Polyurethane (Household. 1 pack )</td>
<td>24 seconds</td>
</tr>
<tr>
<td>Polyurethane (Industrial. 2 pack )</td>
<td>As Instructed</td>
</tr>
<tr>
<td>Wood Stain</td>
<td>As supplied</td>
</tr>
<tr>
<td>Adhesives</td>
<td>17 seconds</td>
</tr>
<tr>
<td>Gel Coats</td>
<td>18 seconds</td>
</tr>
</tbody>
</table>

**SPRAYING TECHNIQUES**

Before commencing to spray it is advisable to spray on to a sheet of card or suitable material to ensure the spray pattern and viscosity are correct.

Hold the spray gun approximately 150 to 200mm from the work to be sprayed. If the spray gun is held too close to the work piece then excessive material will be deposited, if it is held too far away then a dry spray is caused giving a rough sandy finish to the work.

At the beginning of each stroke trigger the spray gun on and at the end of each stroke trigger off, this will avoid a build up of material at the beginning and ends of each stroke. The speed of stroke should be constant. Move the spray gun parallel to the work surface, tilting the spray gun up or down or in a curve will give an uneven coat.
SPRAYING LARGE SURFACES

Adjust the paint flow to increase the flow of material, spray in sections overlap each stroke by approximately 30%.

SPRAYING CORNERS

Adjust the spray pattern to the spot, decrease the material flow and spray both surfaces at the same time.

Always spray the edges and corners before the main work.

SPRAYING CYLINDERS

For small diameter cylinders up to 30cm spray vertically, for larger cylinders spray around the cylinder in sections as you would on large surfaces.
FILTER REMOVAL / REPLACEMENT

IMPORTANT NOTES: ALWAYS TURN THE TURBINE OFF AND REMOVE THE MAINS PLUG BEFORE CARRYING OUT ANY SERVICE WORK.

Replace the filter elements and re-assemble in reverse order.

The part number for the filter element is APT622. Remember these should be replaced every 6 months or sooner in dusty environments.
FAULT FINDING

Sags or runs:

Too much material
Spray gun moved too slowly
Material too thin
Spray overlapped too much

Screw in the paint flow adjuster
Move the spray gun faster
Check viscosity
Only overlap by 30%

Dusty Appearance:

Not enough material
Spray gun too far away from work
Surface not prepared

Unscrew paint flow adjuster
Hold spray gun 150 - 200mm from work
Prepare surface, ensure dust free

PREVENTATIVE MAINTENANCE

Your Apollo turbine requires minimal maintenance. Check the turbine filters every time you use the turbine, replace the filters every 6 months or sooner in dusty environments.

The turbine bearings are sealed and lubricated for life. There is no maintenance or adjustment required.

Replace all spray gun gaskets and seals at regular intervals to prevent leakages.

If you require any further assistance please call your local dealer or:-

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EC Declaration of Conformity - Declaration de Conformite CE
EG Konformitatserklarung
Declaracion de Conformidad CE - EG Verklaring van Overeenstemming

Bambi Air Compressors declares that this product conforms to the European Directives listed below.

Bambi Air Compressors declare que ce produit est conforme aux directives europeennes enumerées ci-dessous.

Bambi Air Compressors declara que este producto cumple con la Directiva Europea listada abajo.

Bambi Air Compressors verklaart dat dit product voldoet aan de onderstaande Europese Richtlijnen

Bambi Air Compressors erklart hiermit, dass dieses Produkt mit den Bestimmungen der Nachstehenden EU-Richtlinien ubereinstimmt.

CE Marking applied for the first time in 1997