

HVLP GRAVITY SPRAY GUN

JEFA048



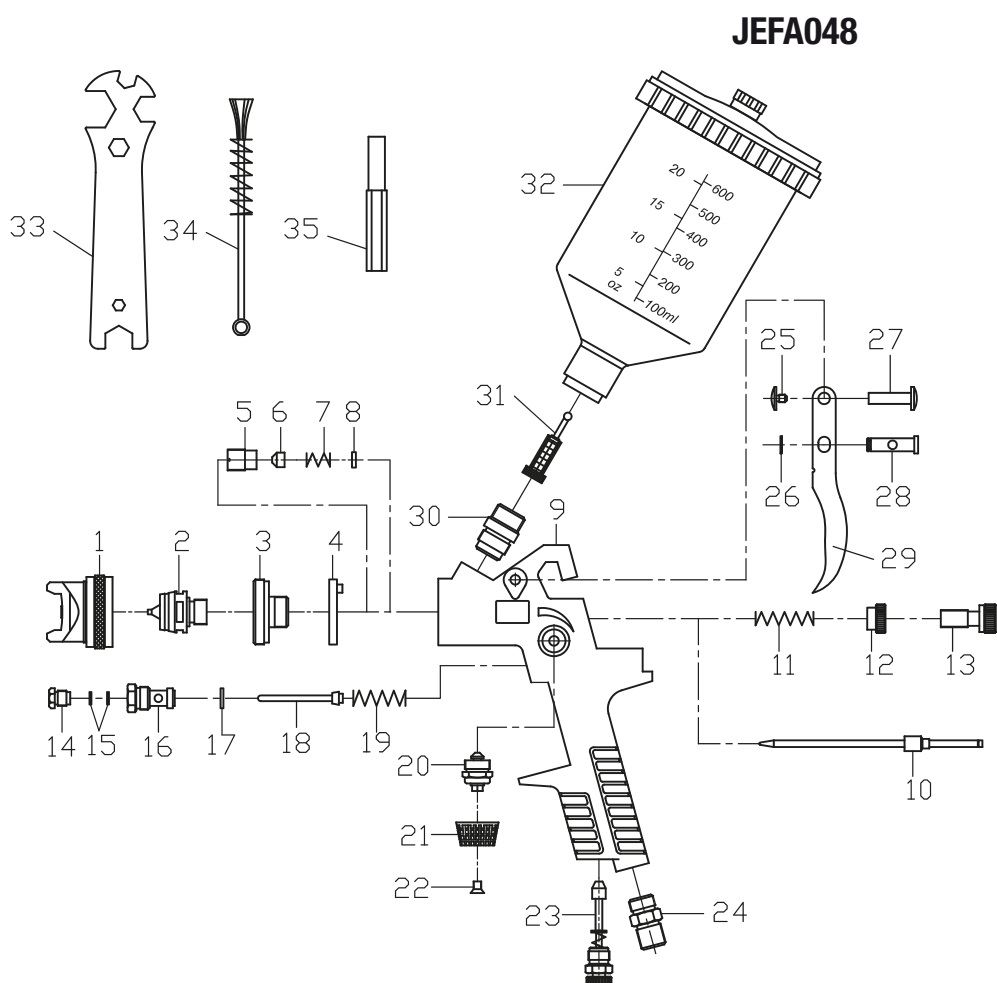
User Manual

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2. Parts Identification

No.	Description	Qty
1	Air Nozzle W/Brass Cap	1
2	Fluid Nozzle	1
3	Air Diversion Ring	1
4	Piston Pad	1
5	Screw	1
6	Seal for Air Piston	1
7	Compression Spring for Needle Seal	1
8	Washer	1
9	Gun Body	1
10	Fluid Control Knob	1
11	Spring for air piston	1
12	Screw nut	1
13	Fluid Control Knob	1
14	Stuffing box for air piston	1
15	Gasket	2
16	Air piston assembly	1
17	Piston ring	1
18	Air piston assembly	1
19	Spring for air piston	1
20	Spindle assembly	1
21	Control knob	1
22	Counter screw	1
23	Air Adjust Valve Ass'y	1
24	Air Connection piece R $\frac{1}{4}$ "	1
25	Trigger bolt	1
26	Locking plate	1
27	Bolt	1
28	Trigger sleeve	1
29	Trigger	1
30	Paint connection	1
31	Filter net	1
32	Paint cup set	1
33	Spanner	1
34	Cleaning brush	1
35	Hex socket screw key	1



2. Box Contents

- 1.4mm nozzle
- 0.6 Litre plastic cup with integrated drip-catching device
- Variable round/flat spray control
- Air micrometer
- Universal wrench
- Hollow key

3. Specification

Air Pressure	43psi / 3bar
Air Inlet	1/4"
Air Consumption	15cfm
Cup Capacity	600ml
Feed Type	Gravity
Fluid Nozzle	1.4mm

4. Operating Instructions

Caution: When using solvents and cleaning agents based on halogenated hydrocarbons e.g. 1.1.1-trichlorethylene and methylene chloride, chemical reactions can occur on the aluminium cup, gun and on galvanized components (for example: small quantities of water added to 1.1.1-trichlorethylene produce hydrochloric acid). This can cause oxidation of the components: in extreme cases, the reaction can be explosive. Therefore only use solvents and cleaning agents for your paint gun which do not contain the substances named above. Never use acid for cleaning purposes.

Warning: Never point paint guns at yourself, at other persons or animals. Solvents and diluting agents can cause burns. Before any repair work may be carried out, the unit must be disconnected from the compressed air network and pressure must be released. Before starting to use the paint gun, Particularly after repairs, ensure that screws and nuts are correctly tightened, and check that gun and hoses do not leak. Defect components must be replaced or repaired, use original spare parts only. No sources of ignition (e.g. open flames, burning cigarettes, lamps without ex-protection etc.) may be present during painting, as easily flammable mixtures are generated during the painting process. Occupational safety regulations must be applied when painting (respirator protection etc.). Appropriate ear protection muffs are required, as a sound level of 90dB(A) can be exceeded when painting under higher pressure levels.

4.1 Safety Checks Before Use

1. Before using the gun check that all nuts and bolts and detachable parts are securely tightened.
2. Always disconnect the unit from the air supply before removing any parts or carrying out any adjustments.
3. Mount the nozzle set tightly. Align the air nozzle so that the number stamped into it can be read from the front the right way round.
4. Blow out the air hose to remove any dust and debris before attaching it to the air connection.
5. Rinse/flush the spray gun thoroughly before use. This is important as the gun has been treated with an anticorrosive agent before leaving the factory and must therefore be flushed out thoroughly with thinner before use.

4. Operating Instructions

4.2 Regulating the Air Supply

The air supply can be adjusted to accommodate a range of working pressures using the micrometer:

1. Setting the Micrometer in the vertical position (parallel to gun body) = maximum pressure.
2. Setting the Micrometer in the horizontal position (across gun body) = minimum pressure (for blending, etc.)



WARNING:

Never remove the micrometer hollow screw while connected to the air supply.

4.3 Regulating Flow Volume

1. The volume of material flowing from the nozzle and needle stroke can be adjusted using the material-volume regulation screw.

4.4 Changing Nozzles

When changing nozzles it's important that you change the complete nozzle set. The nozzle set consists of an air cap, fluid nozzle and paint needle. Always insert the paint nozzle before the paint needle.

4.5 Replacing the Air Piston & Air Packing

To replace the air piston:

- Remove the hollow screw and detach the air micrometer
- Pull out the spring and air piston
- Exchange the air piston
- Unscrew stuffing box screw and remove the old packing
- Insert new packing with (flat end first) and gently tighten the stuffing box screw towards the packing

5. Cleaning & Maintenance

- Flush the material-conveying parts of the gun thoroughly with thinner on a regular basis to prevent any possible particle build-up.
- Clean the air nozzle with a paint brush or brush. **Note:** Do not immerse the nozzle in thinner.
- Under no circumstances try to clean clogged orifices using an unsuitable tool, since the slightest amount of damage to the orifices will affect the performance of this tool and could pose a safety hazard.

6. Troubleshooting

Problem	Cause	Solution
1. Gun leaks from fluid tip	Foreign substances between fluid tip and needle prevent sealing	Clean fluid needle and fluid nozzle in thinner or replace with a full nozzle set
2. Paint merges from fluid needle or needle sealing	Self tensioning needle sealing damaged or lost	Replace needle sealing
3. Spray pattern in sickle-shaped	Horn air holes or air circuit clogged	Soak in thinner, afterwards clean with the nozzle - cleaning needle
4. Drop like or oval shaped pattern	Dirt on fluid pin tip or air outlet	<ul style="list-style-type: none"> • Turn air nozzle by 180 degrees • If defective pattern remains, clean fluid tip pin and air circuit
5. Paint Spray flutters	<ul style="list-style-type: none"> • Insufficient volume in the cup • Fluid nozzle is loose • Needle sealing damaged, • Nozzle set dirty or damaged 	Refill material, tighten parts, if necessary clean or replace parts
6. Material bubbles or boils in paint cup	<ul style="list-style-type: none"> • Atomization air flows through the paint channel to the cup • The paint nozzle is loose • Air nozzle is not screwed in tight • The air nut is clogged and the seat is defective • Nozzle insert is damaged 	Tighten parts accordingly, clean or replace

IMPORTANT! SAFETY FIRST!

Before attempting to use this product please read all the safety precautions and operating instructions outlined in this manual to reduce the risk of fire, electric shock and personal injury.



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