

INSTRUCTION MANUAL

和文取説は、裏面にあります

HVLP Compliant Spray gun Low Volume Low Pressure

LPH-80

Important

This manual contains **IMPORTANT WARNINGS** and **INSTRUCTIONS**. Equipment in this manual is exclusively for painting purposes.

The operator shall be fully conversant with the requirements stated in this instruction manual including important warnings, cautions and operation and correct handling. Read and understand the instruction manual, before use and retain for reference.

CE II 2G X

This Anest-Iwata spray gun kit complies to ATEX regulations 94/9/EC. Protection level: II 2 G X.

X marking: Any static electricity discharge from the spray gun is to be diverted to the grounded/ the conductive air hose as stipulated.

Be sure to observe warnings and cautions in this instruction manual. If not, it can cause paint ejection and serious bodily injury by drawing organic solvent. Be sure to observe following **Δ** marked items which are especially important.

Δ WARNING Indicates a potentially hazardous situation which, if not avoided, may result in serious injury or loss of life.

Δ CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

Important Indicates notes which we ask you to observe. The safety precautions in this instruction manual are the minimum necessary conditions. Follow national and local regulations regarding fire prevention, electricity and safety as well as your own company regulations.

Important specifications

Max. Pressure	0.68MPa / 6.8bar / 98PSI
Nose level	50, 34 (E, A)
Spray condition	Recommended 1m backwards from gun 1.6 m height
Max. Temperature	5°C ~ 40°C 5°C ~ 43°C
Atmosphere	Air • Fluid

Main specifications

Model	Type of feed	Nozzle orifice φ mm (in)	Air cap Set Mark	Recommended condition			Air & fluid connection	Mass g (lb)
				※1 Air pressure MPa (bar / PSI)	※1 Air pressure inside air cap MPa (bar / PSI)	※2 Fluid output ml/min		
LPH-80-042G		0.40 (0.016)			8			
-082G		0.60 (0.024)			25			
-082G		0.80 (0.032)		0.09 (0.9 / 13)	45	50 (1.8)		
-102G		1.00 (0.039)			35			
-122G		1.20 (0.047)			80			
-044G	Gravity	0.40 (0.016)		0.07 (0.7 / 10)	10			
-064G		0.60 (0.024)			30			
-084G		0.80 (0.032)		0.10 (1.0 / 14)	45	60 (2.2)		
-104G		1.00 (0.039)			60			
-124G		1.20 (0.047)			75			
								205 (0.45)

※1. Air pressure means air pressure at gun inlet when trigger is pulled and air flows

※2. Tested with 15sec / Ford cup #4 automotive repair paint

Safety precautions

WARNING

Fire and explosion

- Spark and open flames are strictly prohibited. Paints can be highly flammable and can cause fire.**
Avoid any ignition sources such as smoking, open flames, electrical goods, etc.
- Never use the following **HALOGENATED HYDROCARBON SOLVENTS** which can cause cracks or dissolution on gun body (aluminum) by chemical reaction.
- unsuitable solvents: methyl chloride, dichloromethane, 1,2-dichloroethane, carbon tetrachloride, trichloroethylene, 1,1,1-trichloroethane
(Be sure that all fluids and solvents are compatible with gun parts. We are ready to supply a material list used in the product.)
- Securely ground spray gun by using air hose with built-in ground wire.
Ground wire: **Less than 1MΩ**. Check the earth stability periodically.
If not, insufficient grounding can cause fire and explosion due to static electric sparking.

Improper use of equipment

- Never point gun toward people or animal.
If done, it can cause inflammation of eyes and skin or bodily injury.
- Never exceed maximum operating pressure and maximum operating Temperature.
3. Be sure to release air and fluid pressures before cleaning, disassembling or servicing.
If not, remaining pressure can cause bodily injury due to improper operation or scattering cleaning liquid.
In order to release pressure, first stop supply of compressed air, fluid and thinner to spray gun.
Then remove trigger toward you.
- Tip of fluid needle set has a sharp point.
Do not touch the tip of fluid needle during maintenance for the protection of the human body.

Protection of human body

- Use in a well-ventilated site by using spray booth.**
If not, poor ventilation can cause organic solvent poisoning and catch fire.
- Always wear protective gear (safety glasses, mask, gloves).
If not, cleaning liquid, etc., can cause inflammation of eyes and skin.
If you feel something wrong with eyes or skin, immediately see a doctor.
- Wear earplugs if necessary.
Noise level can exceed 80dB(A), depending on operating conditions and painting site.
- If operators pull the trigger many times during operation, it may cause carpal tunnel syndrome.
Be sure to take a rest if you feel tired.

Other precautions

- Never stir this spray gun.**
If done, it can cause insufficient performance and failure.
- Enter working areas of other equipment (robots, reciprocators, etc.) after machines are turned off.
If not, contact with them can cause injury.
- Never spray foods or chemicals through this gun.
If done, it can cause accident by ingestion of fluid passages or adversely affect health by round foreign matter.
- If something goes wrong, immediately stop operation and find the cause. Do not use again until you have solved the problem.

How to connect

CAUTION

- Use clean air filtered through air dryer and air filter. ... If not, dry air can cause painting failure.
 - If you use this gun for the first time after purchasing, clean fluid passages spraying thinner and remove rust preventive oil.
 - If not, remaining preventive oil can cause painting failure such as fish eyes
 - Firmly fix hose or container to spray gun. ... If not, disconnection of hose and drop of container can cause bodily injury.
- Job1. Connect an air hose to air nipple tightly.
Job2. Connect an applicable cap to fluid nipple lightly.
Job3. Flush the gun fluid passage with a compatible solvent.
Job4. Pour paint into container, test spray and adjust fluid output as well as pattern width

