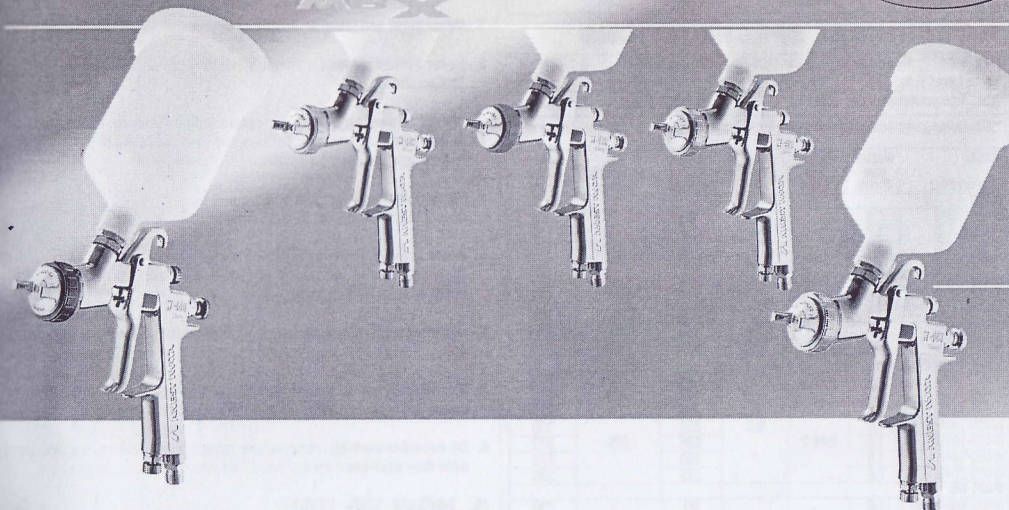


Classic
plus

• W400 BellAria • W400 WBX • W400 WB • W400 • LPH 400

BellAria **WBX** **W400 WB** **W400** **LVL**



- GB** • instruction manual
- I** • manuale d'istruzioni
- FR** • manuel d'instruction
- ES** • manual d'instrucciones
- PT** • manual d'instruções
- DE** • betriebsanleitung
- SV** • bruksanvisning



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Before use, adjustment or maintenance, it is important to read this instruction manual very carefully. This manual must be stored in a safe place for any future reference.

This ANEST IWATA spray guns kit complies to ATEX regulations 94/9/EC, protection level: II 2 G X Suitable for using Zones 1 and 2.
X marking: Any static electricity discharge from the spray gun is to be diverted to the ground via the conductive air hose as stipulated.

ALWAYS observe WARNINGS and CAUTIONS in this instruction manual.

Symbol	WARNING	Hazard level	Consequence
	WARNING	Potentially hazardous situation	Death or serious injury
	CAUTION	Potentially hazardous situation	Minor to moderate injury
	IMPORTANT	Potentially hazardous situation	Property damage

1. TECHNICAL SPECIFICATIONS

Max. working air pressure: 7.0 bar (100 PSI)	Air connection: G 1/4" M
Noise Level (LAeqT)*: 79.7 dB (A)	Fluid connection: M16x1.5mm
Max. Temperature range: 5 ~ 40 °C	Weight g (lbs)**: 380 (0.84)

* Measuring point: 1m backwards from gun, 1.6m height. ** Weight without cup.

Model	Nozzle size Ø mm	Air cap set Mark	Air inlet pressure bar	Fluid output ml/min	Air consumption Nl/min	Pattern Width mm
Classic Plus W400						
W400-082G	0.8	LV2	2.0	60	280	80
W400-102G	1.0			95		150
W400-122G	1.2			140		175
W400-132G	1.3			160		225
W400-142G	1.4			210		255
W400-162G	1.6			240		270
W400-182G	1.8	LV1	3.0	320	290	260
W400-202G	2.0	R2	3.0	460	360	320
W400-251G	2.5	W1	3.0	580	360	340
W400 BellAria						
W400-104G	1.0	BA4-1		130	250	200
W400-124G	1.2			180	250	220
W400-134G	1.3			220	280	280
W400-144G	1.4	BA4-2	2.0	250	270	300
W400-164G	1.6			285		330
W400-184G	1.8			360		375
W400-204G	2.0			375		390
W400 WB						
W400 WB-101G	1.0	WB1	1.8	90	230	230
W400 WB-121G	1.2			120		260
W400 WB-131G	1.3			140		280
W400 WB-141G	1.4			160		290
W400 WB-132G	1.3	WB2		160	390	300
W400 WB-142G	1.4			160		310
W400 WB-162G	1.6			250		340
W400 WBX						
W400 WBX-124G	1.2	WBX	2.0	150	370	360
W400 WBX-134G	1.3			195		390
W400 WBX-144G	1.4			200		390
LPH 400						
LPH-400-124LV	1.2	LV4	1.1	90	270	260
LPH-400-134LV	1.3			110		280
LPH-400-144LV	1.4			130		290
LPH-400-164LV	1.6			150		270
LPH-400-184LV	1.8			190		320

2. SAFETY WARNING FIRE AND EXPLOSION

- Never use the following HALOGENATED HYDROCARBON SOLVENTS: which can cause cracks or dissolution of gun body (aluminium) due to chemical reaction. UNSUITABLE SOLVENTS: methyl chloride, dichloro-methane, 1,2-dichloroethane, carbon tetrachloride, trichloroethylene, 1,1,1-trichloroethane
- Sparks and open flames are strictly prohibited. Paints can be highly flammable and can cause fire. Do not expose to open flames, electrical goods, cigarettes etc.

- Securely ground spray gun using conductive air hose. (Less than 1MΩ) Always ensure that the spray gun is earthed correctly.

PROTECTION OF HUMAN BODY

- Use in a well-ventilated site, using a spray booth. Poor ventilation can cause organic solvent poisoning and fire.
- Always wear protective gear (safety glasses, mask, gloves) to avoid inflammation of eyes and skin. In case of any physical discomfort, immediately seek medical advice.
- Wear earplugs if necessary. Noise level can exceed 80 dB(A), depending on operating conditions and painting site.
- Pulling the trigger many times during operation, may cause carpal tunnel syndrome. Always rest, in case of tiredness.

IMPROPER USE

- Never point gun towards people or animals.
- Never exceed maximum working pressure or maximum operating Temperature
- Always release air and fluid pressure before cleaning, disassembling or servicing. Otherwise, remaining pressure can cause bodily injury due to improper operation or scattering of cleaning liquid.
- Tip of fluid needle set has a sharp point. Do not touch the tip during maintenance to avoid accidents.
- Never use this gun to spray foods or chemicals. Otherwise, foreign substance, could cause corrosion of fluid passages which could adversely affect health.
- Never alter this spray gun, to avoid insufficient performance and damage.
- If something goes wrong, immediately stop operation and find the cause. Do not use again, until you have solved the problem.
- Do not enter working areas, where robots, reciprocators, etc. are used, until they have been turned off. Otherwise, they could cause injury.

3. HOW TO USE

CAUTION

- Use clean air filtered through air dryer and air filter.
- When using this gun for the first time after purchase, adjust fluid needle packing set (21), spray cleaner to clean fluid passages and remove rust preventive oil.
- Firmly fix hose or container to spray gun, to avoid disconnection of hose or container, that can cause bodily injury.

- Firmly connect an air hose to air nipple 1/4"(5-1).
- Firmly connect a suitable cup to fluid nipple (5-2).
- Flush fluid passages with a compatible cleaner.
- Pour paint into container, test spray, adjust fluid output and pattern width.

4. HOW TO OPERATE

- Suggested atomizing air pressure is 2.0 to 3.0 bar (29 to 43PSI).
- Recommended paint viscosity differs according to paint property and painting conditions. 15 to 23 sec. / Ford cup#4 is recommended.
- Set the spray distance from the gun to the work piece, as near as possible within the range of 150-250 mm (5.9 - 9.8 in).
- The gun should be held so that it is perpendicular to the surface of the workpiece at all times. Then, the gun should move in a straight and horizontal line. Arcing the gun causes uneven painting.

5. MAINTENANCE AND INSPECTION CAUTION

Before carrying out maintenance and inspection ALWAYS observe WARNING indications.

- Never use spare parts that are not Anest Iwata originals.
- Never damage fluid nozzle tip, fluid needle or air cap holes.
- Never immerse the spray gun completely in liquids such as thinner.

5.1 MANUAL CLEANING PROCEDURE

The fluid passages of the gun, must be cleaned thoroughly after each use, especially after use with bi-component paints. Incomplete cleaning can cause defective pattern shape.

- Never soak air cap set (1) in cleaning liquid for an extended period, even when cleaning.
- Never use metal brush to clean the gun.

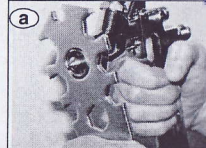
- Drain remaining paint from spray gun and cup, into a suitable container.
- Pour cleaner into cup.
- Unscrew air cap (1) by 2 turns, to allow atomizing air to back flush, fluid passages of the gun.
- Pull trigger (16) and make sure, that atomizing air enters cup.
- Leave cleaner for a few seconds, then empty it into suitable waste container.
- Repeat procedure above, until spray gun is clean.
- Remove air cap (1) and cup from gun, then clean each section with brush soaked with cleaner and wipe out with waste cloth.
- DRY ALL PARTS completely and apply spray gun lubricant to each thread.

5.2 AUTOMATIC CLEANING PROCEDURE

- When using automatic spray gun washer, follow the instruction manual provided with it. Before cleaning, make sure air is released from air passages.
- Only use suitable cleaner designed for your spray gun washer.
- Make sure that the equipment is dried immediately after cleaning.
- Do not leave spray guns inside spray gun washer, after cleaning. Cleaner vapour can damage packings and cause corrosion inside gun body.
- Do not leave spray guns soaking in cleaner.
- Securely ground washer equipment. Use of cleaner with waterborne coatings, can increase PH level, especially after several cleanings. Please, replace the cleaner regularly in order to always ensure the best spray gun performance.
- Make sure that the PH level of cleaner does not exceed the limit. PH level: 6.0-8.0 (but only during cleaning).

5.3 DISASSEMBLY PROCEDURE

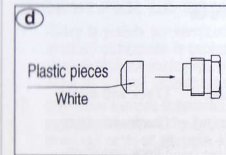
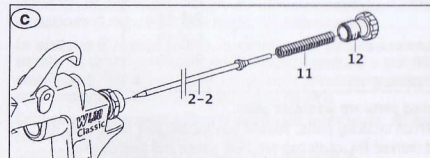
Before disassembly, fully clean fluid passages.



a. Disassemble fluid nozzle (2-1), while keeping fluid needle set (2-2) pulled (triggering) in order to protect its seat section.

b. Disassemble fluid needle set (2-2), (only when strictly necessary)

- Remove fluid adj. knob (12) and needle spring (11), extracting the spring and fluid needle set (2-2), from the back of fluid adj. guide set (10) still assembled on the gun body (5).

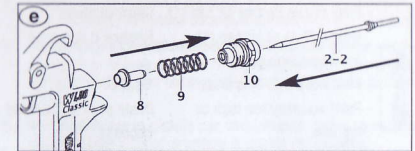


d. Fluid needle packing set (21), must always be adjusted while fluid needle set (2-2) is inserted and in the following way: tighten it by hand (about a 60 degree turn) and then with spanner. When you remove needle packing set (21), do not leave plastic piece of needle packing set (21) in the gun body.

- If you tighten fluid needle packing set (21) too much, fluid needle set (2-2) will not move smoothly, resulting in paint leakage from tip of fluid nozzle (2-1).
- Try to adjust it carefully while pulling trigger and confirming movement of fluid needle set (2-2).
- If you tighten it too much, repeat operation.

e. Air valve assembly (8), assemble air valve (8), air valve spring (9) and fluid adj. guide set (10) together. Next, insert fluid needle set (2-2) into fluid adj. guide set (10), fit it to gun body set (5) and screw fluid adj. guide set (10).

If you try to fit air valve spring (9) and air valve (8) to gun body set (5) without fluid needle set (2-2), air valve (8) will not be fitted correctly and the packing in the fluid adj. guide set (10) will be damaged.



- Disassembly of pattern adjustment set (6) and/or air adjustment set (14). In order to disassemble pattern adj. set (6) and/or air adj. set (14), turn manually the adj. knob of the adjustment counterclockwise, to open it completely and unscrew the hexagon face with a spanner turning it counterclockwise. To reassemble pattern adjustment set (6) and/or air adjustment set (14), reverse the procedure.

IMPORTANT: Before reassembling pattern adjustment set and/or air adjustment set, make sure that these operations are carried out with the adjustment fully open.

5.4 INSPECTION & REPLACEMENT STANDARD

WHERE TO INSPECT	REPLACEMENT PART
a. Each hole passage of air cap (1) and fluid nozzle (2-1).	Replace if it is crushed or deformed and fluid nozzle (2-1).
b. Packing and O ring	Replace if it is deformed or worn out.
c. Leakage from seat section between fluid nozzle (2-1) and fluid needle set (2-2).	Replace them if leakage does not stop after fully cleaning fluid nozzle (2-1) and fluid needle set (2-2). If you replace fluid nozzle (2-1) or fluid needle set (2-2) only, fully match them and confirm that there is no leakage.

