

# N77 SPRAY GUN INSTRUCTION MANUAL

ISO9001:2008

Prior to operation read the instruction manual carefully

## OPERATION

The spray gun has been designed as a hand held air operated tool, and in the interests of safety must only be used for the purpose for which it has been designed. The tool should on no account be used for any other purpose for whatever reason; this could result in danger to the operator and those within the immediate working area.

The spray gun should be connected to a clean air supply using the recommended fittings and hose size as specified in the diagram.

Whenever possible there should be an air filter and regulator in the system. The recommended pressure at the tool should measure 60psi while running free. Check fittings and hoses regularly for signs of frying, or accidental damage. Replace any worn items before continuing to operate the spray gun. Always connect the cup and the air hose tightly to the spray gun before use. Ensure the material and air supply are disconnected before affecting any work on the spray gun.

## ADJUSTMENT

To obtain the required spraying pattern, volume of fluid and degree of atomisation, use the Pattern Adjusting Knob, Air Adjusting Knob and the Fluid Adjusting Knob.

- a) To adjust the pattern – turn the Pattern Adjusting Set to the right to narrow the spray pattern and to the left to widen the spray pattern.
- b) To adjust the fluid output – turn the Fluid Adjusting Knob to the right to reduce the fluid output and to the left to increase the fluid output. Turning the Fluid Adjusting Set fully to the right will stop the fluid completely; the spray gun will then only emit air.
- c) To adjust the air volume – turn the Air Adjusting Set to the right to reduce the air volume and to the left to increase the air volume.
- d) The recommended air pressure is 3.0 – 3.5 bar (43 – 50 psi) the installation of a spray gun regulator like the 2SPRAY DR5 can insure that correct air pressure is kept at all times. Recommended sprays distance to object is 20 – 25cm (8 – 10 inches).

## SERVICING

- a) Clean air cap, fluid nozzle and fluid needle with a brush after each operation.
- b) Flush the gun material passage with a compatible solvent.
- c) Do not submerge complete spray gun in solvents.
- d) Fluid needle packing should not be tightened completely, or the fluid needle set will be sluggish.
- e) Turning the fluid adjusting knob too far to the left will weaken the fluid needle spring; this will make the fluid nozzle leak.
- f) Before installing or dismantling the nozzle, the fluid knob assembly must be dismantled and the trigger pressed back to ensure that the nozzle and needle disconnect, otherwise wear and tear can be caused on the needle and nozzle causing a bad seal.

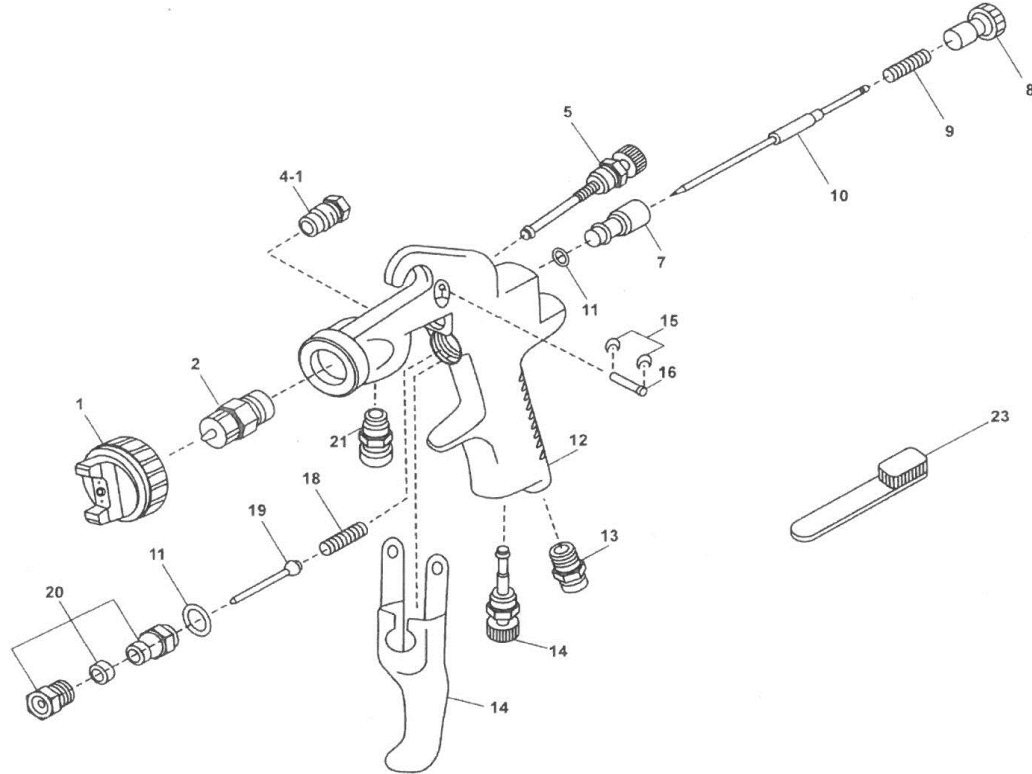
## PERSONAL PROTECTIVE EQUIPMENT

The use of breathing mask is recommended at all times when spraying. The noise level may exceed 85dB (A) when the spray gun is being used, a sound absorber protection is also recommended. Always wear goggles and gloves when spraying or cleaning. No vibrations are transmitted to the operator when using the spray gun.

## SAFETY

- Never allow untrained or unauthorised persons to operate this spray gun.
- Never exceed the recommended air pressure.
- Never use matches, smoke or operate a spray gun in the vicinity of a naked flame.
- Never aim a spray gun at people
- Never spray food or chemicals through spray gun
- Do not carry or pull the spray gun by the hose, this could cause failure of the hose/ spray gun connection resulting in danger to the operator or other workers.
- Use only original spare parts.
- Do not use the following solvents. 1,1,1-Trichloroethane and Methylene Chloride. These solvents can chemically react with aluminium in spray guns and fluid caps possibly causing an explosion.
- Do not use these solvents for equipment cleaning or flushing. Spray gun should never be stored in acid laden cleaners. If in doubt consult material supplier.

Model	Type of feed	Fluid Nozzle	Air Pressure kg/cm2 (MPA)	Air Consumption l/min	Fluid Output ml/min	Pattern Width mm
N77.0	Pressure	1.2	3.0 (0.29)	430	480	380
N77.1	Suction/ Pressure	1.5		290	250	260
N77.2		2.0		360	370	290
N77.3		2.5		460	440	300
N77.4		3.0		460	480	330



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	N3922910	Air Cap Set 0 (1.2mm)	13	N3160002	Air Nipple
1	N3924900	Air Cap Set 1 (1.5mm)	14	N3907900	Air Adj. Valve Set
1	N3928900	Air Cap Set 2 (2.0mm)	15	N3842240	E Stopper Pkt 2 #
1	N3051110	Air Cap Set 3 (2.5mm)	16	N3167041	Trigger Stud
1	N3051120	Air Cap Set 4 (3.0mm)	17	N3162900	Trigger
2	N3055080	Fluid Nozzle 0 (1.2mm)	18	N3088050	Air Valve Spring
2	N3053080	Fluid Nozzle 1 (1.5mm)	19	N3081900	Air Valve
2	N3047110	Fluid Nozzle 2 (2.0mm)	20	N3930900	Air Valve Seat Set
2	N3054080	Fluid Nozzle 3 (2.5mm)	20a	N3909101	Air Valve Packing #
2	N3056080	Fluid Nozzle 4 (3.0mm)	21	N3161901	Fluid Nipple
4-1	N3545660	Needle Packing with Nut #			
5	N3909900	Spread Adj. Valve Set	23	96990600	Brush
7	N3064901	Fluid Needle Guide		N77RSK	Reservice Kit includes item marked #
8	N3102081	Fluid Adj. Knob		K100	Spanner
9	N3069081	Fluid Needle Spring			
10	N3934080	Fluid Needle Set 0 (1.2mm)			
10	N3933080	Fluid Needle Set 1 (1.5mm)			
10	N3932080	Fluid Needle Set 2 (2.0mm)			
10	N3052110	Fluid Needle Set 3 (2.5mm)			
10	N3052120	Fluid Needle Set 4 (3.0mm)			
11	N3906100	O Ring Set #			

Updated: July 2018