ISOMARK 265ML PNEUMATIC SPRAY EQUIPMENT

OPERATING INSTRUCTIONS

Enquiries and technical assistance contact:

ISOMARK Limited
Unit 1,
Marina Court, Tungsten Park,
Maple Drive, Hinckley,
Leicestershire, LE10 3BF, U.K.
Tel: (0) 1455 613285
Fax: (0) 1455 613287
email: info@isomarkforensic.co.uk
web: www.isomarkforensic.com

265ml PNUEMATIC DISPENSER

Installation
Install a ¼" BSP (male thread) hose-tail or a quick-disconnect coupling to the inlet port of the air regulator manifold (6) See page 4.

Operate dispenser with dry and lubricated air only.

Air supply pressure max. 8 bar (120psi)

Safety Instructions
CAUTION: Never place hands or fingers between dispenser plungers and cartridge support flange at any time.

For extended use counterbalancing of dispenser is recommended.

Disconnect air supply when not in use or during cleaning of dispenser.

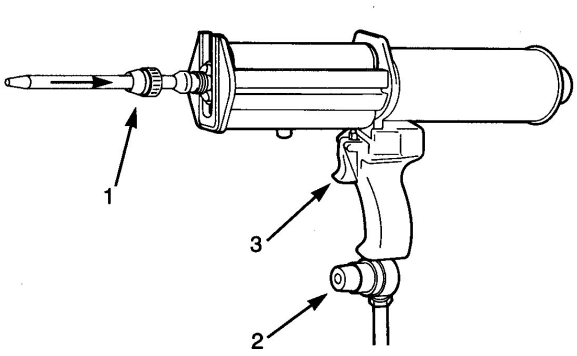
Read the 'Health and Safety' information for the cartridge of compound being used.

Maximum dispenser operating pressure: 5 bar. Modification of the air regulator is not permitted.

Contact Isomark Ltd for spare parts.

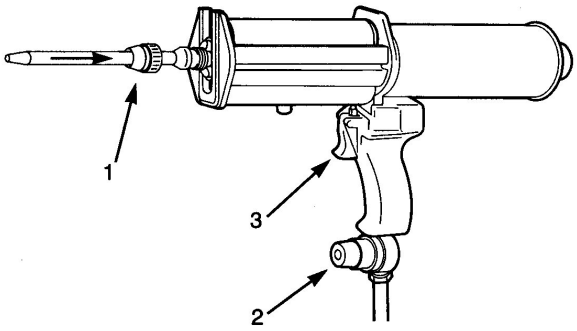
WHEN THIS UNIT IS USED IN CONJUNCTION WITH A SPRAY HEAD ATTACHMENT IT IS ESSENTIAL FOR THE OPERATOR TO WEAR EYE PROTECTION AND RESPIRATORY EQUIPMENT.

265ml PNEUMATIC DISPENSER - OPERATING PROCEDURE



1. Insert cartridge into dispenser as shown and push down until locked into position.

2. Unscrew retaining nut to remove plug from cartridge (do not take off metal removal disc.)



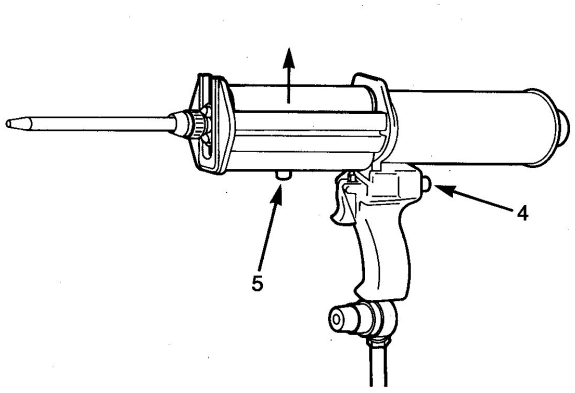
3. Install mixing nozzle on cartridge outlet using retaining nut (1).

4. Connect air supply (max. 8 bar / 120psi).

5. Operate trigger (3) to commence dispensing.

6. Control dispensing flow rate by adjusting air pressure regulator (2)

Removing Cartridge

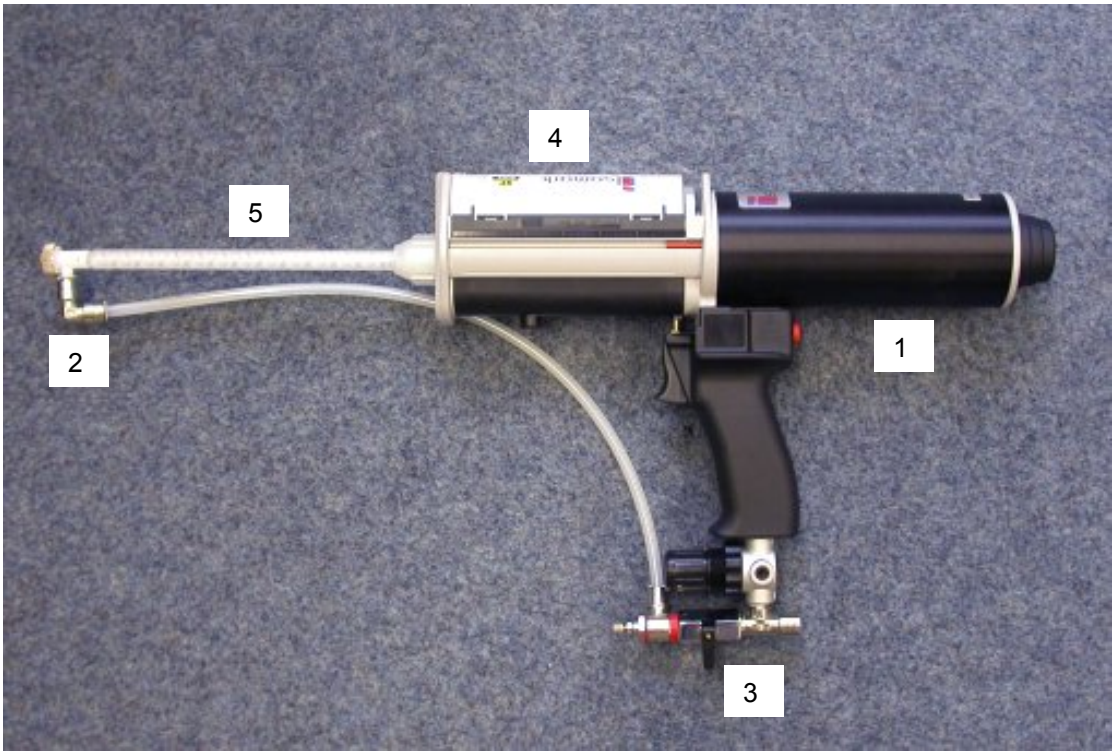


7. Release trigger (3).

8. Push red button (4) until plungers reach rear position.

9. Push cartridge out of locked position by pressing release button (5), then remove cartridge.

ISOMARK 265ml SPRAY SYSTEM



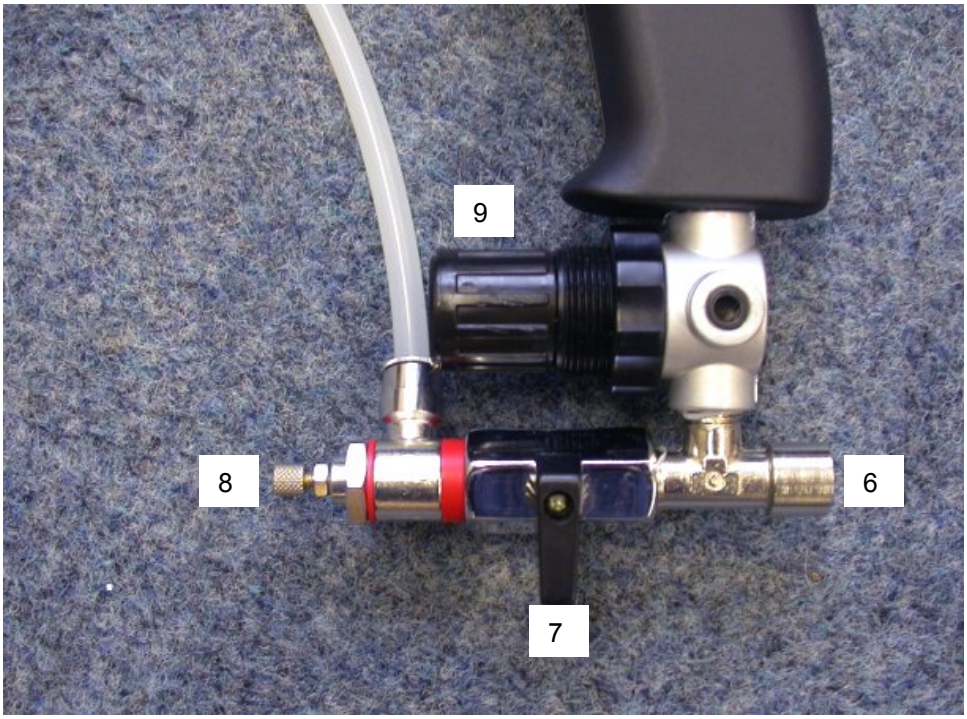
1. 265 ml Pneumatic Dispensing Gun
2. Spray Head
3. Regulator Manifold
4. Isomark 265 ml Cartridge
5. Mixing Nozzle

General.
The Isomark 265ml Spray System is designed for covering large areas of surface with Isomark impression material. The system comprises a pneumatic dispensing gun, a cartridge of Isomark impression material and a spray head connected to a regulator manifold. Isomark material is delivered to the spray head by operating the trigger on the gun and air is fed to the spray head by opening the isolator valve on the regulator manifold. The spray pattern can be varied by using the needle valve on the regulator manifold to control the air flow to the spray head.

1. Air Line Connection.

Connect air line using a ¼'' BSP male threaded fitting. Air line pressure required is 2 – 8 bar max. (30 – 120psi).

2. Operation of Regulator Manifold.



6. Compressed Air Inlet – ¼" BSP thread.
7. Isolator Valve.
8. Needle Valve.
9. Air Regulator.

The Regulator Manifold controls the air supply to both the spray head and the pneumatic gun. Compressed air is connected via the inlet (6) and it is recommended that a quick release type fitting is used.

The Isolator valve (7) controls pressure to the spray head and must be turned on to commence spraying.

The Needle Valve (8) controls the air flow rate to the spray head. Low flow rate gives a globular or 'worm-like' deposit of material, whereas a high flow rate gives a fine atomized spray. Adjust to suit and use the lock nut to secure the valve position.

The Air Regulator (9) is used to control air pressure to the gun only. Higher pressures give more rapid dispensing of the Isomark material. The regulator setting is altered by first pulling the adjuster to unlock it and then turning clockwise to increase pressure or anticlockwise to decrease pressure.

Settings for fine spray coating :

Set Air Regulator (9) to low pressure (turn anticlockwise)

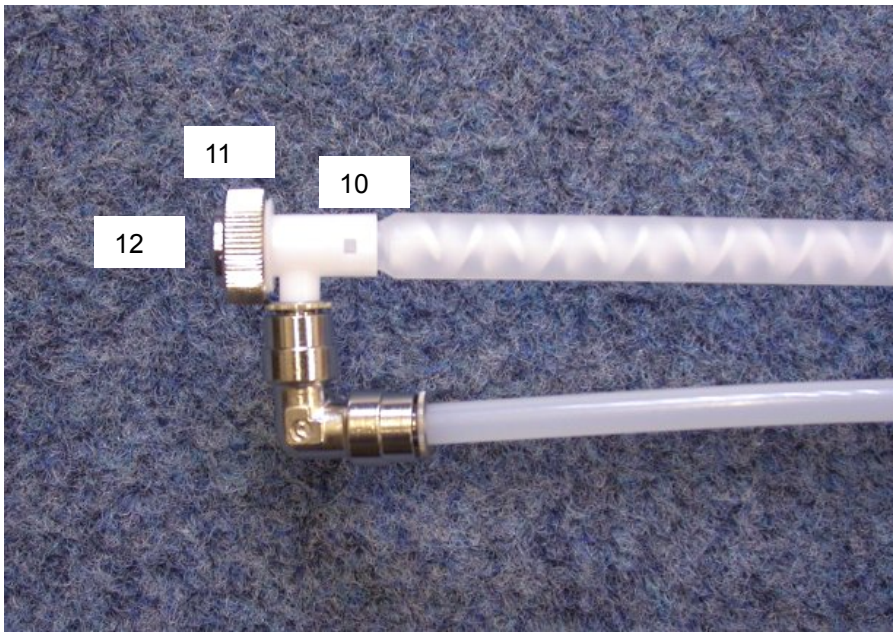
Set Needle Valve (8) to maximum air flow (turn anticlockwise)

Settings for thick coating:

Set Air Regulator (9) to high pressure (turn clockwise)

Set Needle Valve (8) to low air flow (turn clockwise)

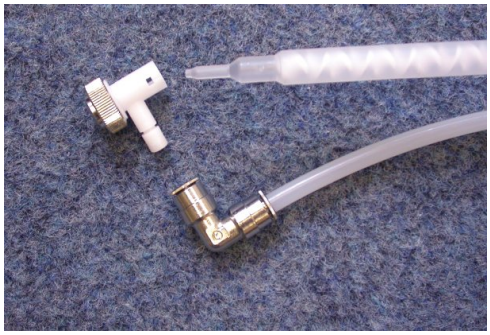
3. Spray Head



10. Spray Head Body
11. Locking Ring.
12. Air Cap

The Spray Head Body (10) is designed as a push fit connection to the mixing nozzle with a twist lock. No adjustment of the spray head itself is necessary prior to use.
After use the spray head can be dismantled for cleaning. Allow Isomark material to cure then unscrew **Locking Ring** (11) and remove **Air Cap** (12). Remove cured material, reassemble and fit to new mixing nozzle.

If replacement of the Spray Head is required it can be separated from the air line as shown below. The collar on the elbow must be depressed to allow the connection to be broken.



4. Spray Head – Operating Procedure

1. Fit cartridge into dispenser and attach mixing nozzle
2. Fit Spray Head to mixing nozzle.
3. Turn on air supply to the Spray Head (2) using the Isolator Valve (7)
4. Operate the trigger on the dispenser to start flow of compound.
5. Adjust Needle Valve (8) and Regulator (9) to achieve required spray pattern.
6. To stop spraying, release trigger and close Isolator Valve (7)

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