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Jetline Glass Bead Gun Type JL3



This Material is certified  II 2 G c II A T6 Certificate Number: LCIE 05 ATEX 6156

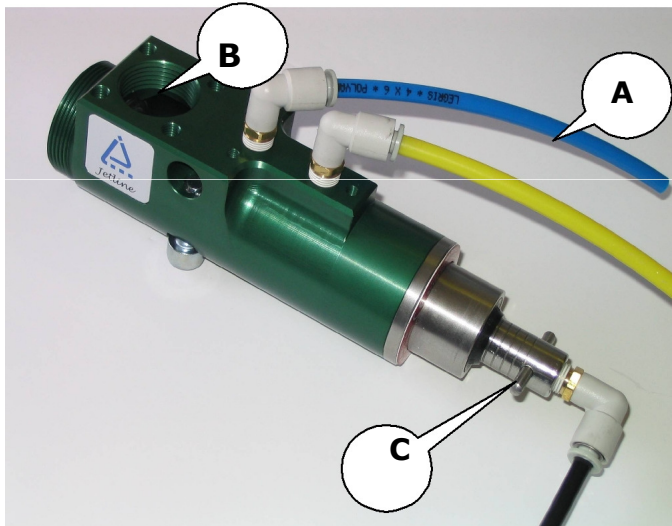
Since 1st July 2006, facilities with explosive atmospheres must comply with European Directive 99/92/EC. The related equipment must be certified ATEX (ATEX stands for Atmosphere Explosive).

INSTALLATION and USE

The Jetline Gun JL3 works:

- Either with spring return
- Or with double acting air solenoid.

To operate as double acting, a 5 port solenoid valve with a single coil is needed. The double acting function allows fast response times, necessary for high speed application.

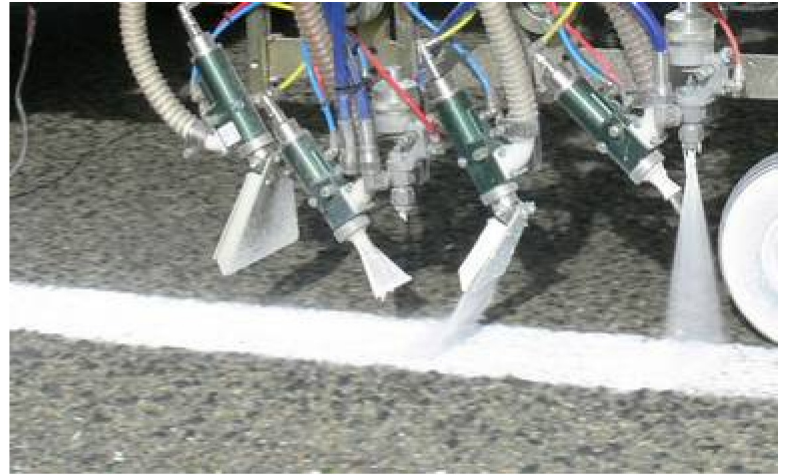


A = air supply in 1/8 BSP.
Blue = opening
Yellow = closing in (DA) or filter in (SR)
 (as delivered)
Black = atomization

B = Inlet for glass beads in
 3/4 BSP (std) or with 20mm 25mm or
 40mm Inlet pipe

C = Beads flow is controlled
 using the handle graduated with six lines
 which indicate the opening diameters of
 4, 6, 8, 9 or 10mm.

The JL3 is mounted vertically with a diffuser that allows you adjust the width of the beads by changing the height of the gun as we usually do with a paint gun.
 With its nozzle, its carp tail, or its adjustable width spoon, all **JL3** positions are possible.



The JL3 has two ways of working:

- ❖ without atomization (glass beads tanks under pressure)
 - To use it without atomization, block the supply port of the atomization **Item a** (cap 1/8 bsp as originally fitted)
- ❖ with external atomization **Item a** (glass beads tanks with low pressure)
 - To use it with an external atomization, remove the atomization feeding cap and feed it with a pressure between 0.2 bars and 1 bar, the nozzle with a diameter of 2 mm consumes 110 NI/min at 1 bar.

Adaptors for glass bead inlet fittings:

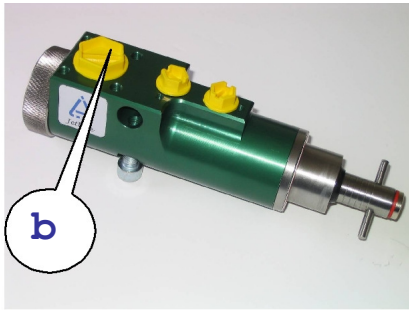
The supply port for glass beads is taped in $\frac{3}{4}$ BSP. Connection's with elbow or right angle fittings are available **Item b**.

An adapter with a check valve allows the air to escape, avoiding bead fluffing.

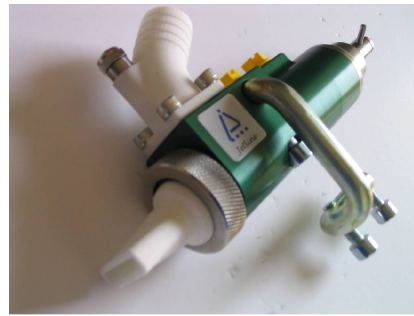
Inlet Pipe Options:

- Bead inlet 20mm. inclined at 45° adjustable (code : 230 023 00)
- Bead inlet 25mm. inclined at 45° adjustable (code : 230 022 00)
- Bead inlet 40mm. inclined at 15° adjustable (code : 212 139 00)
- Swivelling elbow fittings air in 1/8 BSP

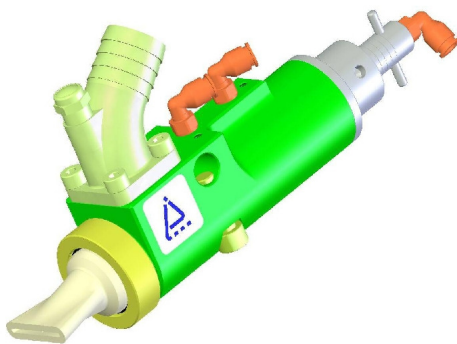
JL3 Bead Gun



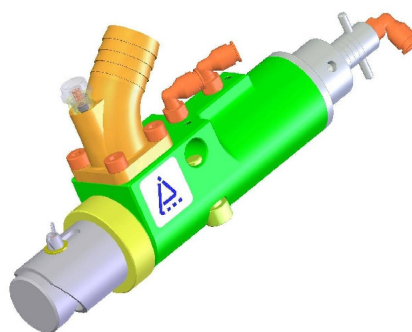
Inlet $\frac{3}{4}$ bsp (20mm)



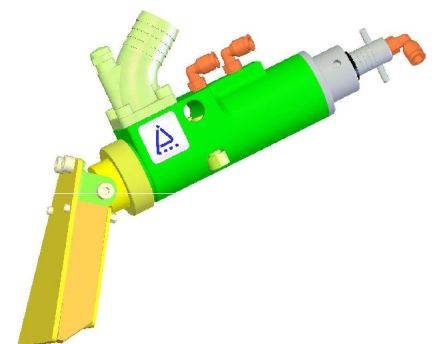
Injection for VNTD



Classical Injection



Adjustable spoon



Carp tail

DIFFERENT DIFFUSER SYSTEMS :

- Nylon injection diffuser for classical glass beads (code 230 016 02)
- Nylon injection diffuser for glass beads VNTD (code 230 016 12)
- Adjustable spoon diffuser for width from 12 to 50 cm (code 260 100 00)
- Adjustable carp tail tilt width from 10 to 37.5 (code 214 100 00) large model
- Adjustable carp tail tilt width from 10 to 22.5 (code 214 019 00) small model

FIXING BRACKETS

The **JL3** has a mounting hole with a diameter of 13 mm for a maximum rod of 12.7mm with 2 M8 Allan headed bolts.

A special fixing bracket with a rod of 12mm and 2 screws M8 exists for adaptation on old road marking equipment (code 212 182 00).

PRECAUTIONS

Use with an air pressure control of 7 bars, the opening time is around 20ms.

From 6 and 8 bars, closing time is identical to opening time.

Pressure control less than 6 bars (minimum 5 bars), may affect opening times.

The maximum air pressure must not exceed 9 bars in all orifices.

The compressed air must be filtered and free of water to obtain good durability of parts.

The fluidizing air (pressure inside the glass beads tank) should not exceed the quality of the installation (such as elbows, fittings, diameter and shape of the inner wall of the pipe). The recommended pressure is 0.5 to 2.5 bars.

The maximum operating temperature of the gun should not exceed 85°C (T6 ATEX), beyond the risk of explosion is present.

➤ Wearing parts are:

The flat gasket 8, the seat 6, the calibrator 10, the main piston 4, the internal piston 7, O-rings that must be checked every 50 000 kg of glass beads consumed to ensure adequate functioning.

- The repair kit containing wear parts (code: 250 100 00) is replaced around every 100 tons of glass beads.
- The gasket replacement kit (code 250 100 10) is replaced according to the cleaning condition of the air circuit.

The **JL3** is intended for use with most glass beads used for road marking.

It should not be used without a mounting bracket properly tightened on the machine, or directed at persons.

All materials used in the construction of the JL3 Bead gun are recyclable.

Constituent materials: anodized aluminium, stainless steel, nitrile, nylon.

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