

Instruction Manual

Description
SLNB

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January 22, 2013

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Preface

This instruction manual describes the correct usage and maintenance of the CERJET® Spray Nozzle.

Before use, be sure to read this manual thoroughly and follow the instructions to allow the best use of this product.

After reading, keep this manual in a safe, handy place.

For purposes of product improvement, part dimensions or design are subject to change without notice.

Please note that in such cases, the contents of this manual may differ from the product.

Safety Precautions:

Prior to use, read this manual to familiarize yourself with the proper operation of the nozzle for best performance.

H. Ikeuchi & Co., Ltd. takes no responsibility for any accidents and/or injuries resulting from improper handling, installation and/or operation.



Wear safety gloves.

The screw thread or nozzle edges may cause injury.



Ensure that the nozzle is firmly installed.

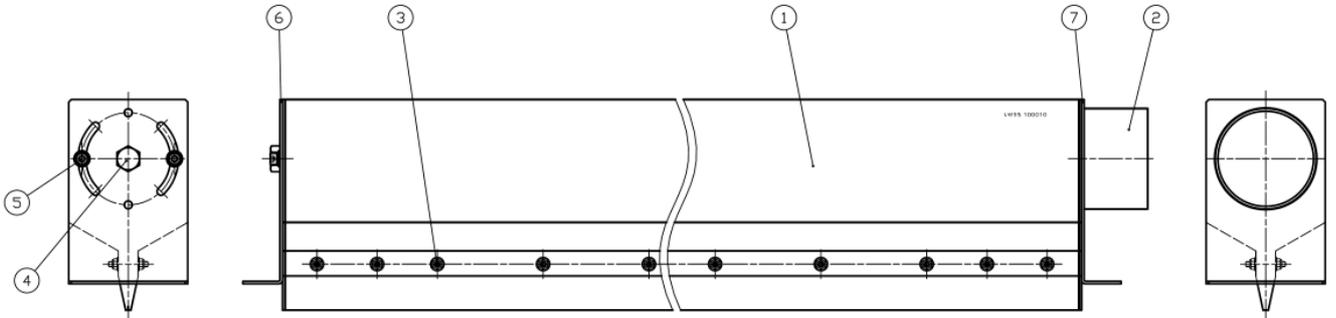
Untightened or loose screws may cause the nozzle to detach or fall off during operation and lead to serious accidents.

1. Suggestions & Cautions

- (1) Nozzles are precision-made products. The slit opening is an especially important part that determines the characteristics (spray capacity, angle, pattern distribution). Handle them with care.
- (2) The edges of threads or some parts may be sharp. Wear safety gloves to protect your hands.
- (3) Operate nozzles under the specified pressures. If pressures are not specified, refer to our published flow-rate diagram.
- (4) In piping systems
 - Ensure that pipes and valves are sized such that they do not act as flow orifices.
 - Never use rusting or dirty piping. Use new piping whenever possible. Use of old pipes or pipes containing debris or rust can lead to nozzle clogging.
 - Even when using new piping, sealing tape and debris from manufacturing may be inside. Before installing nozzles, thoroughly flush with air until the piping is clean.
 - To ensure the correct pressure is being supplied, install a pressure gage just before the nozzle. Installation of a valve is also recommended.
 - Install filters to help prevent nozzle clogging. Nozzle clogging can cause abnormal performance.

2. Components of Nozzle

Components and materials



No.	Component	Material	Quantity ^{※3}	Remark	No.	Component	Material	Quantity ^{※3}	Remark
1	BODY	S304	1		5	CAP SCREW(M5)	S304	2	
2	INLET PIPE	S304	1		6	BRACKET(t=2)	S304	1	
3	ADJUSTING BOLT	S304	14		7	BRACKET(t=2)	S304	1	
4	BOLT(M10)	S304	1						

Note:

(1) Dimensions and materials may differ depending on the part number of the nozzle.

(2) In our material code, "S" represents "stainless steel".
(Example) S304 represents stainless steel 304.

(3) The quantities in the table are indicated for the length of 1,000 mm as a reference.

3. Cleaning (see P. 3 for the component parts No.)

Clogging of the slit opening causes spray dispersion and unstable spraying.
If clogged, remove the foreign particles with a clearance gauge, as wide as the slit opening or smaller.

Note: Use only a straight clearance gauge. Do not use a bent or broken gauge, or slit part will be damaged. Use clearance gauge carefully and slowly.

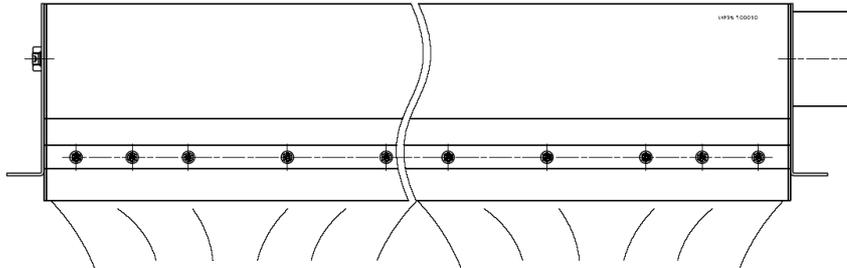
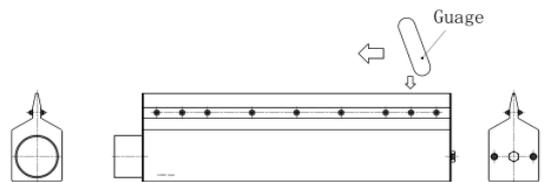


Figure 1. Distorted spray from clogged nozzle

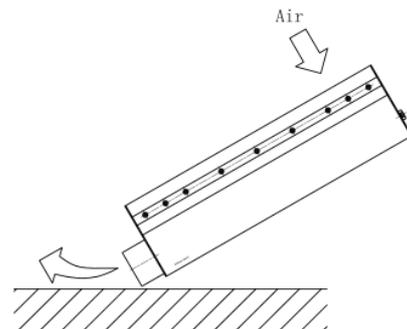
Since the slit nozzle for bower (SLNB) cannot be disassembled, clean the nozzle with the following procedure.

- (1) Dismount the horses from the nozzle.

- (2) Place the slit opening upward and drop the foreign particles with a clearance gauge to the inside of the nozzle.



- (3) Place the inlet pipe ② downward so that the foreign particles go out easily. Then, spray the air from the slit opening by air gun to discharge the foreign particles.



4. Maintenance

Period	Item	Content
Daily	Spray	Confirm that spray is normal.
	Pressure gauges and flow meters	Confirm that the gauges and meters indicate the set value of pressure and air flow while spraying.
Periodically	Spray	Feel the spray pattern by hand to check that the spray pattern has no separation.
	Appearance	Confirm that there is no corrosion and dust sticking to the nozzle

5. Troubleshooting

Trouble		Probable Cause	Solution	Remark
No spray	Control	<ul style="list-style-type: none"> • The controller is not switched on. • Valves are not opened. 	<ul style="list-style-type: none"> • Switch it on. • Open valves. 	
	Nozzle	<ul style="list-style-type: none"> • Nozzle or Pipe is clogged. • Nozzle or Pipe is clogged due to damage. • Slit opening is clogged. 	<ul style="list-style-type: none"> • Clean nozzle or Pipe. • Replace the damaged part. • Cleaning 	
Irregular spray	Not spraying normally	<ul style="list-style-type: none"> • Slit opening is clogged. • Dent on the slit opening. • Foreign particles adhering to nozzle. 	<ul style="list-style-type: none"> • Cleaning • Replace the damaged part. • Remove the foreign particles. 	

6. Disposal

Disposal should be practiced according to the regulations and codes of local authorities, or ask a disposal professional.

7. Inquiries

For parts or troubles, contact our local sales office or the following:



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