

Instruction Manualon

3/8M TF-F 121-46-010 PPS
3/8M(NPT) TF-F 121-46-010 PPS

TAIFUJet® Series



Thank you for purchasing our CERJET® Spray Nozzles.
In order to use CERJET® Spray Nozzles safely and efficiently,
you are requested to read this Instruction Manual and keep it readily available.
H. IKEUCHI & CO., LTD. takes no responsibility for any accidents and/or
injuries resulting from improper handling, installation and/or operation.
Dimensions and design may be changed without notice for product improvement.



いけうち

“The Fog Engineers”

H. IKEUCHI & CO., LTD.

1. Safety Precautions

Prior to use, please read these “Safety Precautions” and use the nozzles properly.



WARNING

Do not use nozzles beyond the maximum liquid pressure of 0.7MPa.
Do not increase pressure rapidly.
Otherwise nozzles may break and/or be blown off of the pipe,
resulting in injuries.



WARNING

Do not use nozzles beyond the operating temperature range of 5~120°C.
Otherwise nozzles may break and/or be blown off of the pipe,
resulting in injuries.



WARNING

Do not use nozzles in temperatures below freezing.
Otherwise nozzles may break and/or be blown off of the pipe,
resulting in injuries.

CERJET®

2. Before Use (Instructions & Cautions)



CAUTION

Flush the pipes to purge foreign particles before installing the nozzle.



CAUTION

Apply sealing tape on the thread of the nozzle before installation.



CAUTION

Screw the nozzle by hand first (making sure it's screwed in properly), then tighten with a torque wrench (size 17mm).

(Recommended tightening torque : 3-3.5N·m)

Be sure to prevent the interference of the nozzle orifices with a torque wrench. Be careful not to screw too tight, which may damage the nozzle.



CAUTION

Do not place the nozzle at the immediate rear of a bent pipe or elbow. Turbulence may affect the nozzle performance.



CAUTION

Do not scratch or score the nozzle.

Do not apply hard materials such as nails or needles to the nozzle orifices.



CAUTION

Do not apply strong force to the nozzles or expose them to vibration.

The plastic may yield to mechanical shock and must be handled gently.



CAUTION

In case the hole in the middle of the nozzle is used for fixing, use M6 bolt and nut.

Do not screw a bolt too tight.

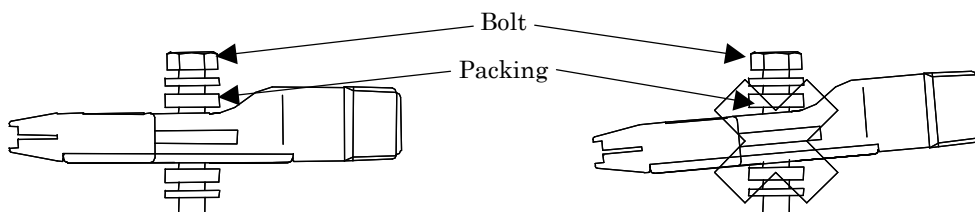
(Recommended tightening torque : 2.6N·m)

Do not use the outer diameter of over 13mm washer.

Do not apply excessive force to the bolt thread while tightening.

Put a packing between the bolt and the nozzle.

Fix the nozzle correctly (not leaned), or the nozzle may be damaged.



CAUTION

Store the nozzle in a clean place free from dust.



CAUTION

When spraying liquid other than water, consider the chemical resistance of the nozzle resin to the liquid (Table 2 "Structure and Materials").

3. Troubleshooting

Check the following points in case of trouble.

If the following solutions do not work, please replace the nozzle with a new one.

Table 1. Troubleshooting

No.	Trouble	Probable Causes	Solution
1	No spray is being created.	1. Liquid pressure is too low. 2. Nozzle is clogged.	1. Check the pressure in the pipe and apply the proper pressure. 2. Clean them and blow off with compressed air. (Ultrasonic cleaning, Air blowing, etc.) 3. Replace the nozzle.
2	Spray pattern is irregular.	1. Liquid pressure is too low. 2. Nozzle is clogged.	1. Check the pressure in the pipe and apply the proper pressure. 2. Clean them and blow off with compressed air. (Ultrasonic cleaning, Air blowing, etc.) 3. Replace the nozzle.

4. Structure, Materials, and Mass

Table 2. Structure and Materials

No.	Description	Material	Mass(g)
1	Nozzle	PPS	62

