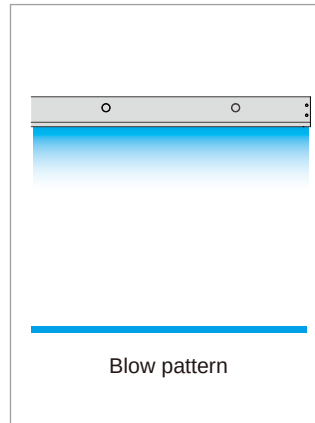


### For compressors



- Long slit jet producing even air flow with uniform impact distribution.
- Slit nozzle without adjustment bolts. No adjustment of slit opening needed after maintenance.
- Mechanism retains its even flow after reassembly following in-house maintenance.
- Uniform air flow is ideal for blow-off drying.



Material  
S304



Weight  
4.6–12 kg

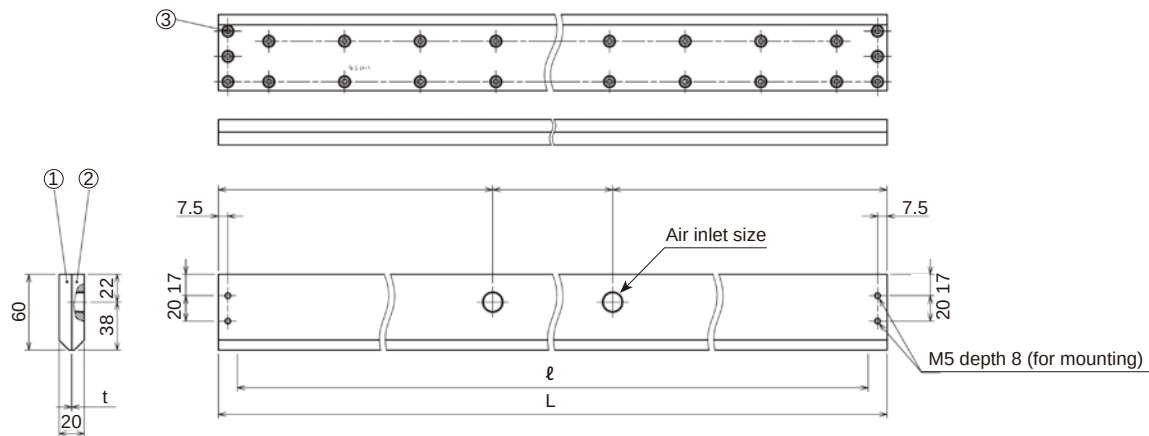


Max. operating pressure  
0.1 MPa (14 psi)



Air consumption (at 0.05 MPa)  
545–1,441 L/min, Normal for slit opening of 0.1 mm  
1,091–2,881 L/min, Normal for slit opening of 0.2 mm

### Drawing



1. Body A (S304)
2. Body B (S304)
3. Bolt M5×10 (S304 equiv.)

### ■ Dimensions and weight

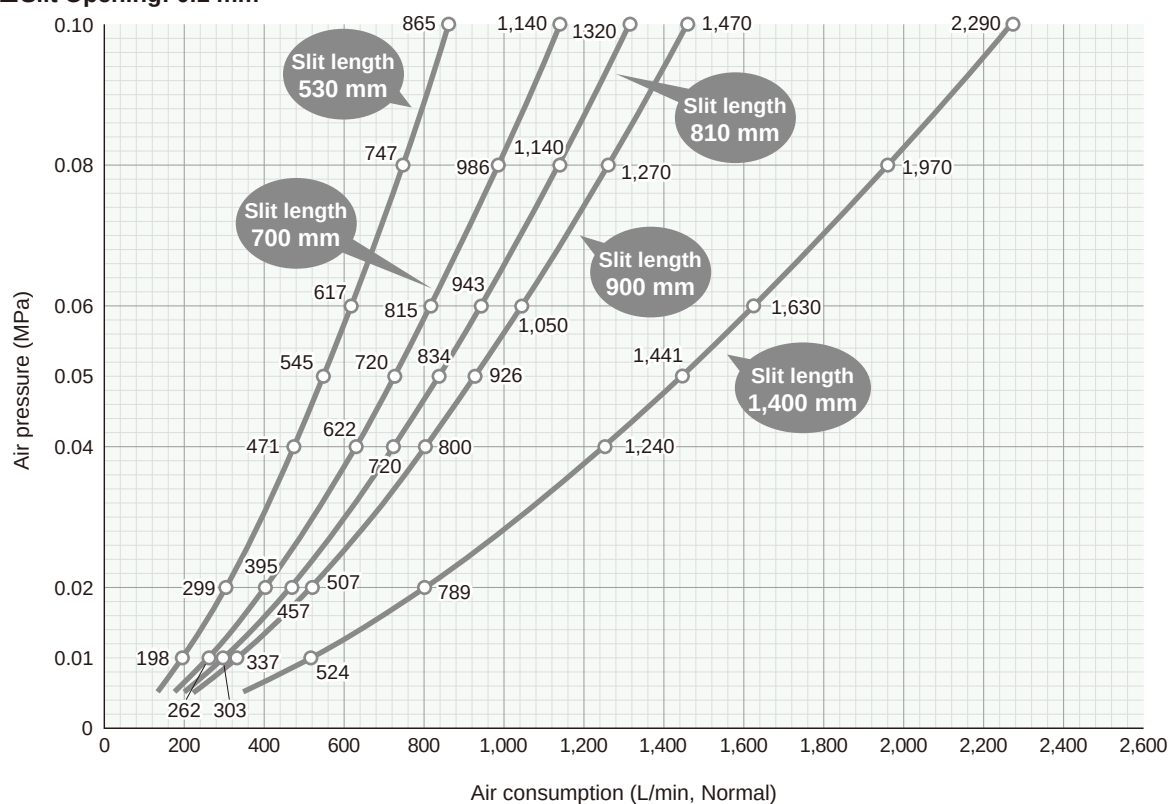
| ■ Dimensions and weight |                        |                                  |                   |                                     |                |          |
|-------------------------|------------------------|----------------------------------|-------------------|-------------------------------------|----------------|----------|
| Slit length ℓ<br>(mm)   | Slit opening t<br>(mm) | Number of<br>inlets <sup>2</sup> | Air inlet<br>size | Total length L <sup>1</sup><br>(mm) | Weight<br>(kg) | Material |
| 530                     | 0.1                    | 2 or 3                           | Rc3/8             | 560                                 | 4.6            | S304     |
| 700                     |                        | 3 to 5                           |                   | 730                                 | 6.0            |          |
| 810                     | 0.2                    |                                  |                   | 5 to 7                              | 840            |          |
| 900                     |                        | 930                              |                   |                                     | 7.7            |          |
| 1 400                   |                        |                                  |                   | 1 430                               | 12.0           |          |

<sup>1</sup>Customizable total length from 250 mm to 2,300 mm with slit opening of 0.1–0.2 mm.

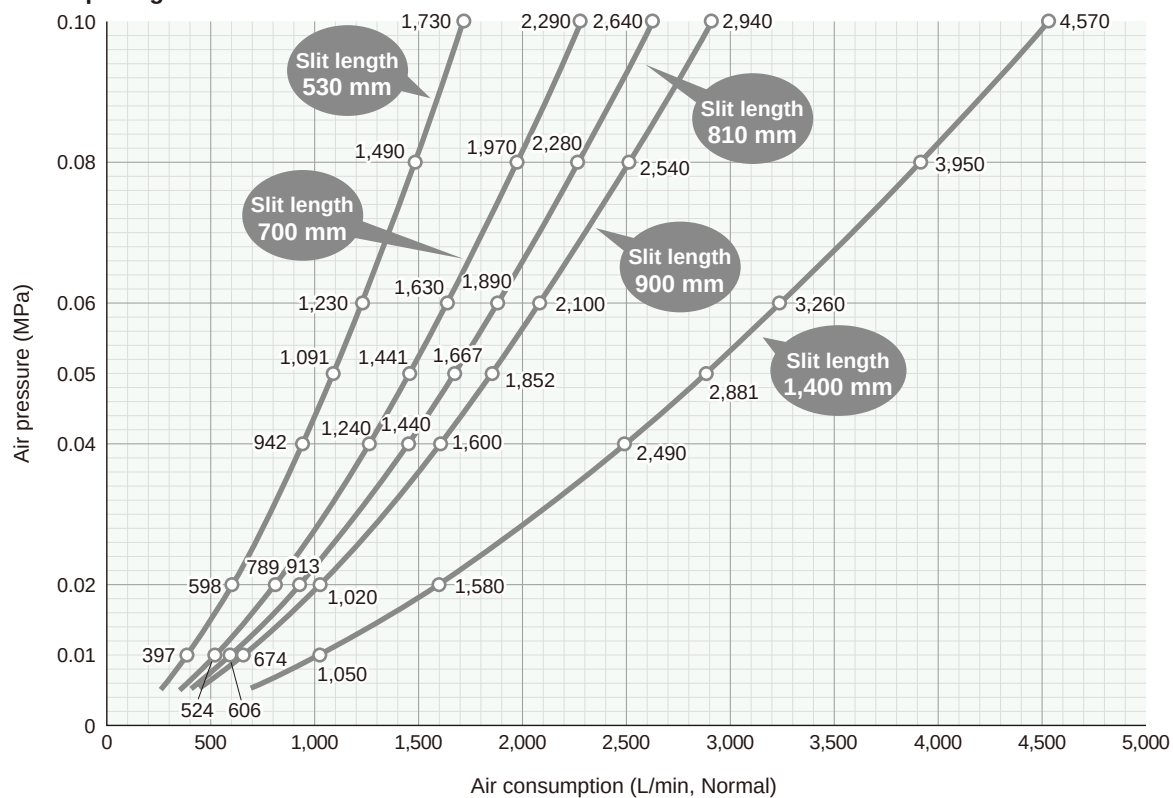
<sup>2</sup>The number of inlets differs by slit opening width.

## Air Consumption

## ■ Slit Opening: 0.1 mm



## ■ Slit Opening: 0.2 mm

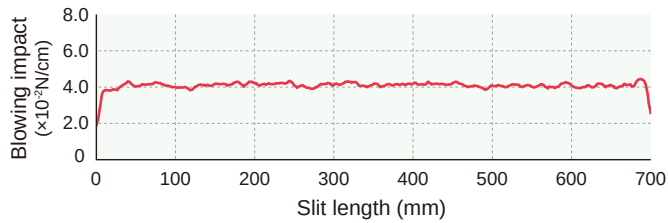


### Blowing Impact Distribution

Measured 5 mm from the nozzle orifice and at an air pressure of 0.05 MPa

#### ■ SLNHA-NA 700×0.1

(Slit length: 700 mm, slit opening: 0.1 mm)



Deviation from median: +/-5.9%

### HOW TO ORDER

This nozzle series is made-to-order.

Total length can be tailored to your needs within the customizable range (see \*1 on page 44).  
Inquiry drawing form is available to verify dimensional specifications.  
Contact us for details.

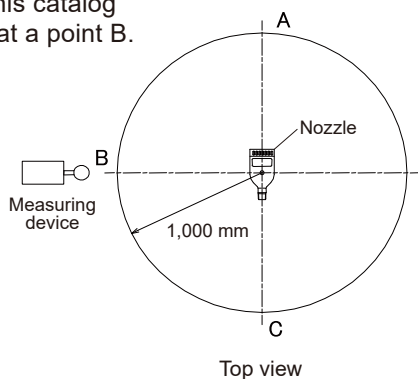
# Technical Information

## Noise Level Measurement

Noise levels are generally measured at three points A, B, and C, at a distance of 1,000 mm from the nozzle.

The nozzle is installed at a height of 1,000 mm.

Noise levels in this catalog were measured at a point B.

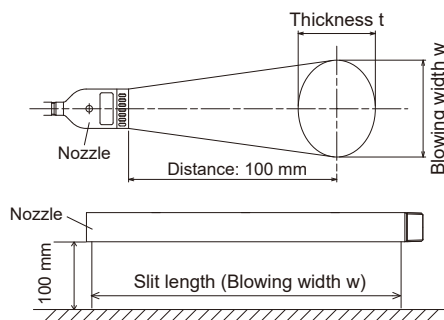


## Blowing Pattern Measurement

Blowing air spread is measured at 100 mm from the nozzle orifice.

The blowing width can be used as a guide for spacing nozzles.

The shape of the blow pattern is generally closer to a circle as the distance from the nozzle increases.



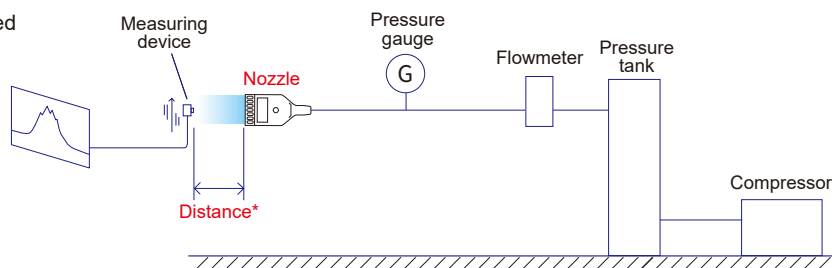
## Blowing Impact Measurement

Blowing impact (blowing force) indicates the intensity of air applied to the target surface.

Air blown from the nozzle is measured by a sensor.

The blowing impact increases with an increase of the air pressure supplied.

\*The blowing impact in this catalog is measured at a distance of 100 mm from the nozzle orifice except for SLNHA-H, SLNHA-NA, and SLNB series.



## Nozzle Materials

The standard and optional materials available for nozzles are shown in the material section of each nozzle series, using the material codes listed here.

|          | Material code | Material                             |
|----------|---------------|--------------------------------------|
| Plastics | ABS           | Acrylonitrile butadiene styrene      |
|          | FRPP          | Glass-fiber reinforced polypropylene |
|          | HTPVC         | Heat-treated polyvinyl chloride      |
|          | POM           | Polyacetal                           |
|          | PP            | Polypropylene                        |
|          | PPS           | Polyphenylene sulfide                |
|          | PTFE          | Polytetrafluoroethylene              |
|          | PVC           | Polyvinyl chloride                   |

|         | Material code | Material                  |
|---------|---------------|---------------------------|
| Metals  | S303          | Stainless steel 303       |
|         | S304          | Stainless steel 304       |
|         | S316          | Stainless steel 316       |
|         | S316L         | Stainless steel 316L      |
| Rubbers | B             | Brass C3604               |
|         | EPDM          | Ethylene propylene rubber |
|         | FKM           | Fluororubber              |
|         | NBR           | Nitrile rubber            |

## Description of Thread Size and Type

In this catalog, the connection thread size and type are described according to the ISO standard. Threads noted in this catalog are tapered pipe threads unless otherwise specified.

When ordering our nozzles, please specify the thread size using our thread code. For example, "1/4M" is used instead of R1/4 and "1/4F" instead of Rc1/4 as shown right.

| Thread type                 | ISO standard | Our thread code |
|-----------------------------|--------------|-----------------|
| Male tapered pipe threads   | R1/4         | 1/4M            |
| Female tapered pipe threads | Rc1/4        | 1/4F            |

# IKEUCHI Air Nozzle Lineup



| Type                                    | Flat Jet                                                                                                                      |                                                                                   |                |                                                                                                            |                                                                                     |                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Page                                    | pp. 11–12                                                                                                                     | pp. 13–15                                                                         |                | pp. 16–17                                                                                                  | pp. 18–19                                                                           | pp. 20–21                                                                           |
| Nozzle series                           | TF-F24                                                                                                                        | TF-FS42                                                                           |                | TF-F42                                                                                                     | TF-F50                                                                              | TF-F121                                                                             |
| Product photo                           |                                              |  |                |                          |  |  |
| Air supply                              | Compressor                                                                                                                    | Compressor                                                                        |                | Compressor                                                                                                 | Compressor                                                                          | Compressor                                                                          |
| Main material                           | PPS                                                                                                                           | PPS                                                                               | S316L equiv.   | PPS                                                                                                        | S304                                                                                | PPS                                                                                 |
| Weight                                  | 4 g                                                                                                                           | 9 g                                                                               | 38 g           | 30 g                                                                                                       | 140 g                                                                               | 62 g                                                                                |
| Max. operating pressure                 | 0.7 MPa                                                                                                                       | 0.7 MPa                                                                           | 1.0 MPa        | 0.7 MPa                                                                                                    | 1.0 MPa                                                                             | 0.7 MPa                                                                             |
| Max. temperature                        | 120°C [240°F]                                                                                                                 | 80°C <sup>2</sup> [170°F]                                                         | 400°C [750°F]  | 80°C <sup>2</sup> [170°F]                                                                                  | 400°C [750°F]                                                                       | 80°C <sup>2</sup> [170°F]                                                           |
| Noise level at 0.3 MPa <sup>1</sup>     | 76 dBA                                                                                                                        | 79 dBA                                                                            | 60–82 dBA      | 77 dBA                                                                                                     | 82 dBA                                                                              | 82 dBA                                                                              |
| Air consumption at 0.3 MPa <sup>1</sup> | 225 NL/min                                                                                                                    | 440 NL/min                                                                        | 110–630 NL/min | 440 NL/min                                                                                                 | 730 NL/min                                                                          | 1,250 NL/min                                                                        |
| Features                                | <ul style="list-style-type: none"> <li>• Compact</li> <li>• Low noise level</li> <li>• Uniform impact distribution</li> </ul> |                                                                                   |                | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• Uniform impact distribution</li> </ul> |                                                                                     |                                                                                     |

| Type                                    | Round Jet                                                                                                       |                         |                                                                                                                  |                                                                                            |                                                                                                                                            |                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Page                                    | pp. 31–33                                                                                                       |                         | pp. 34–35                                                                                                        | pp. 36–37                                                                                  | pp. 63–64                                                                                                                                  |                   |
| Nozzle series                           | TF-R                                                                                                            |                         | TF-M5R                                                                                                           | CCP-A                                                                                      | TF-BR                                                                                                                                      |                   |
| Product photo                           |                               |                         |                                |         |                                                        |                   |
| Air supply                              | Compressor                                                                                                      |                         | Compressor                                                                                                       | Compressor                                                                                 | Blower                                                                                                                                     |                   |
| Main material                           | PP                                                                                                              | S316L equivalent & S303 | S303                                                                                                             | S303                                                                                       | ABS                                                                                                                                        | Aluminum A5052    |
| Weight                                  | 2 g                                                                                                             | 7 g or 12 g             | 800 g                                                                                                            | 7.5 g or 19 g                                                                              | 8 g                                                                                                                                        | 20 g              |
| Max. operating pressure                 | 0.7 MPa                                                                                                         | 1.0 MPa                 | 1.0 MPa                                                                                                          | 1.0 MPa                                                                                    | 100 kPa [0.1 MPa]                                                                                                                          | 100 kPa [0.1 MPa] |
| Max. temperature                        | 60°C [140°F]                                                                                                    | 400°C [750°F]           | 216°C [420°F]                                                                                                    | 400°C [750°F]                                                                              | 80°C [170°F]                                                                                                                               | 150°C [300°F]     |
| Noise level at 0.3 MPa <sup>1</sup>     | 78 dBA                                                                                                          | 71–87 dBA               | 83–91 dBA                                                                                                        | 66–84 dBA                                                                                  | 86 dBA                                                                                                                                     | 86 dBA            |
| Air consumption at 0.3 MPa <sup>1</sup> | 245 NL/min                                                                                                      | 157–627 NL/min          | 1,151–2,632 NL/min                                                                                               | 35–215 NL/min                                                                              | 478 NL/min                                                                                                                                 | 478 NL/min        |
| Features                                | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• Powerful, high impact air stream</li> </ul> |                         | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• High volume and powerful air flow</li> </ul> | <ul style="list-style-type: none"> <li>• Targeted, high impact solid air stream</li> </ul> | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• Powerful, high impact air stream</li> <li>• Minimal air use</li> </ul> |                   |

| Type                       | Full Cone Jet                                                                            | Air Amplifier                                                                                                       | Air Blow Gun                                                                            |                             |
|----------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|
| Page                       | pp. 47–49                                                                                | pp. 50–55                                                                                                           | pp. 56–57                                                                               |                             |
| Nozzle series              | JAN                                                                                      | EJA                                                                                                                 | TF-GUN                                                                                  |                             |
| Product photo              |       |                                  |    |                             |
| Air supply                 | Compressor                                                                               | Compressor                                                                                                          | Compressor                                                                              | Compressor                  |
| Main material              | S303                                                                                     | S303                                                                                                                | PP                                                                                      | PP & PPS                    |
| Weight                     | 13 g                                                                                     | 405–2,370 g                                                                                                         | 94 g                                                                                    | 97 g or 121 g               |
| Max. operating pressure    | 1.0 MPa                                                                                  | 0.6 MPa                                                                                                             | 0.7 MPa                                                                                 | 0.7 MPa                     |
| Max. temperature           | 400°C [750°F]                                                                            | *3                                                                                                                  | 50°C [120°F]                                                                            | 50°C <sup>2</sup> [120°F]   |
| Noise level at 0.3 MPa     | 57–82 dBA                                                                                | 83 dBA or less                                                                                                      | —                                                                                       | —                           |
| Air consumption at 0.3 MPa | 49–456 NL/min                                                                            | 150–750 NL/min                                                                                                      | 225 NL/min <sup>5</sup>                                                                 | 200–350 NL/min <sup>5</sup> |
| Features                   | <ul style="list-style-type: none"> <li>• Full cone air blow for wide coverage</li> </ul> | <ul style="list-style-type: none"> <li>• Air amplifying nozzle</li> <li>• Applicable for powder transfer</li> </ul> | <ul style="list-style-type: none"> <li>• Air duster gun with TAIFUJet nozzle</li> </ul> |                             |

| Flat Jet |                                                                                                                             |                                                                                                                                       |                      |                                                                                                                                        |                              |                                                                                                                                                         |                      |
|----------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|          | pp. 22–24                                                                                                                   | pp. 58–59                                                                                                                             |                      | pp. 25–30                                                                                                                              |                              | pp. 60–62                                                                                                                                               |                      |
|          | HF                                                                                                                          | TF-BF                                                                                                                                 |                      | TF-PF                                                                                                                                  |                              | TF-BPF                                                                                                                                                  |                      |
|          |                                            |                                                      |                      |                                                      |                              |                                                                      |                      |
|          | Compressor                                                                                                                  | Blower                                                                                                                                |                      | Compressor                                                                                                                             |                              | Blower                                                                                                                                                  |                      |
|          | S303                                                                                                                        | ABS                                                                                                                                   | Aluminum A5052       | S304                                                                                                                                   | PPS & S304                   | PPS & HTPVC                                                                                                                                             | Aluminum A5052       |
|          | 70 g or 75 g                                                                                                                | 26 g                                                                                                                                  | 65 g                 | 360–13,800 g                                                                                                                           | 950–3,800 g                  | 220–4,360 g                                                                                                                                             | —                    |
|          | 1.0 MPa                                                                                                                     | 100 kPa<br>[0.1 MPa]                                                                                                                  | 100 kPa<br>[0.1 MPa] | 1.0 MPa                                                                                                                                | 0.7 MPa                      | 100 kPa<br>[0.1 MPa]                                                                                                                                    | 100 kPa<br>[0.1 MPa] |
|          | 400°C<br>[750°F]                                                                                                            | 80°C<br>[170°F]                                                                                                                       | 150°C<br>[300°F]     | 400°C<br>[750°F]                                                                                                                       | 80°C <sup>2</sup><br>[170°F] | 80°C <sup>2</sup><br>[170°F]                                                                                                                            | 150°C<br>[300°F]     |
|          | 78–84 dBA                                                                                                                   | 85 dBA                                                                                                                                | 85 dBA               | 84 dBA or more                                                                                                                         | 86 dBA or more               | *3                                                                                                                                                      | *3                   |
|          | 300–550 NL/min                                                                                                              | 565 NL/min                                                                                                                            | 565 NL/min           | 1,150–15,100 NL/min                                                                                                                    | 2,172–13,034 NL/min          | 2,940–14,100 NL/min                                                                                                                                     | 2,940–14,100 NL/min  |
|          | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• Thick blow pattern</li> <li>• Disassemblable</li> </ul> | <ul style="list-style-type: none"> <li>• Low noise level</li> <li>• Uniform impact distribution</li> <li>• Minimal air use</li> </ul> |                      | <ul style="list-style-type: none"> <li>• Long flat nozzle</li> <li>• Low noise level</li> <li>• Uniform impact distribution</li> </ul> |                              | <ul style="list-style-type: none"> <li>• Long flat nozzle using blower air</li> <li>• Uniform impact distribution</li> <li>• Minimal air use</li> </ul> |                      |

| Slit Jet |                                                                                                             |             |                                                                                                      |                                                                                                                  |                                                                                                                                              |                                                                                                                                 |                  |
|----------|-------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------|
|          | pp. 41–43                                                                                                   |             | pp. 44–46                                                                                            | pp. 68–70                                                                                                        | pp. 38–40                                                                                                                                    | pp. 65–67                                                                                                                       |                  |
|          | SLNHA-H                                                                                                     |             | SLNHA-NA                                                                                             | SLNB                                                                                                             | VZ                                                                                                                                           | SAP                                                                                                                             |                  |
|          |                          |             |                   |                               |                                                           |                                             |                  |
|          | Compressor                                                                                                  |             | Compressor                                                                                           | Blower                                                                                                           | Compressor                                                                                                                                   | Compressor                                                                                                                      | Blower           |
|          | PVC                                                                                                         | S304        | S304                                                                                                 | S304                                                                                                             | S303                                                                                                                                         | S304                                                                                                                            | S304             |
|          | 1.5–4.0 kg                                                                                                  | 5.0–12.0 kg | 4.6–12.0 kg                                                                                          | 1.9–7.4 kg                                                                                                       | 41 g or 69 g                                                                                                                                 | 10 g or 16 g                                                                                                                    | 10 g or 16 g     |
|          | 0.1 MPa                                                                                                     | 0.3 MPa     | 0.1 MPa                                                                                              | 30 kPa<br>[0.03 MPa]                                                                                             | 0.7 MPa                                                                                                                                      | 0.7 MPa                                                                                                                         |                  |
|          | *3                                                                                                          | *3          | *3                                                                                                   | 100°C<br>[210°F]                                                                                                 | *3                                                                                                                                           | 400°C<br>[750°F]                                                                                                                | 400°C<br>[750°F] |
|          | *3                                                                                                          | *3          | *3                                                                                                   | 90 dBA at 20 kPa <sup>4</sup>                                                                                    | 70–94 dBA                                                                                                                                    | *3                                                                                                                              | 75 dBA or 76 dBA |
|          | 656–1,733 NL/min<br>at 0.05 MPa                                                                             |             | 545–2,881 NL/min<br>at 0.05 MPa                                                                      | 970–5,730 NL/min<br>at 5 kPa                                                                                     | 154–1,122 NL/min                                                                                                                             | 736–1,016 NL/min                                                                                                                | 208–287 NL/min   |
|          | <ul style="list-style-type: none"> <li>• Long slit nozzle</li> <li>• Uniform impact distribution</li> </ul> |             | <ul style="list-style-type: none"> <li>• No need to adjust slit opening after maintenance</li> </ul> | <ul style="list-style-type: none"> <li>• Long slit nozzle using blower air</li> <li>• Minimal air use</li> </ul> | <ul style="list-style-type: none"> <li>• Tip replaceable</li> <li>• Wide-angle flat blow pattern</li> <li>• Possible to use steam</li> </ul> | <ul style="list-style-type: none"> <li>• Low cost, suitable for mass use</li> <li>• Suitable for use in tight spaces</li> </ul> |                  |

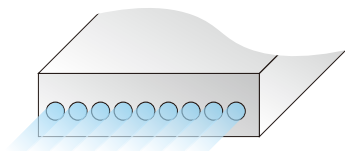
<sup>1</sup> The blower type (nozzle using blower air) was measured at 30 kPa. <sup>2</sup> Heat resistance depends on the pressure applied. <sup>3</sup> Inquire with us.

<sup>4</sup> Value for slit length of 800 mm. <sup>5</sup> When air flow regulator valve is set to Max.

## Type of Nozzle Orifices

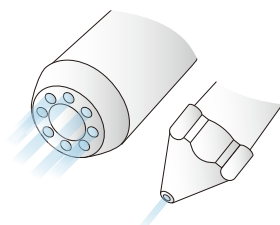
### Flat Jet

Nozzle orifices are arranged in one row or multiple rows. TAIFUJet flat type (using compressed air) is designed with a staggered alignment of nozzle orifices and intake holes, which results in a uniform impact distribution.



### Round Jet

Single or multiple orifices are arranged in a circle, producing a directed round blowing pattern.



### Slit Jet

Wide flat blow or uniform sheet of air (like a curtain) is created from the thin slit nozzle orifice.

