



Flat Air Nozzles

Standard



Ordering Example

Part Number (Type · No.)
AFTSP15

Please note that our standard flat air nozzles (types: AFTP, AFTA, AFTS and AFTF) have been discontinued. The substitutes are as follows: AFTSP, AFTSA, AFTSS, AFTSF. Here are the main differences: AFTP, AFTF- material changed from Thermoplastic resin (PPE) to ABS resin. Other specifications for all Nozzles: Flow rate and Noise level are very similar to product offered previously.

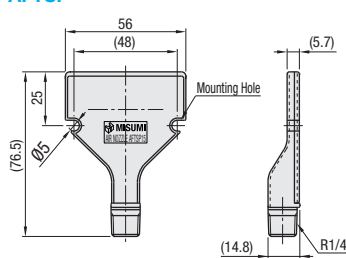
Male Threaded



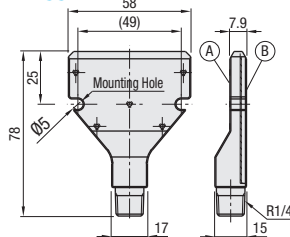
RoHS

| Screw Shape | Type | Material | Max. Operating Pressure | Thread Failure Torque | Heat Resistance Temp. |
|---------------|-------|---------------------------------|-------------------------|-----------------------|-----------------------|
| Male Threaded | AFTSP | Thermoplastic Resin (ABS Resin) | 0.7MPa | 15N · m | 70°C |
| | AFTSA | 5052 Aluminum Alloy | 0.4MPa | - | 200°C |
| | AFTSS | 304 Stainless Steel | | | |

AFTSP



AFTSA
AFTSS



A gasket is inserted between A and B.

| Type | No. | Orifice | Air Flow Rate NL/min (for 0.3MPa) | | | Weight (g) | | |
|-------|-----|---------|-----------------------------------|-------|-------|------------|-------|-------|
| | | | AFTSP | AFTSA | AFTSS | AFTSP | AFTSA | AFTSS |
| AFTSP | 10 | 13- 0.7 | 270 | - | - | 16.8 | - | - |
| AFTSA | 15 | 13- 0.9 | 410 | 410 | 410 | 16.5 | 60 | 165 |
| AFTSS | 25 | 13- 1.2 | 730 | - | - | 16.2 | - | - |

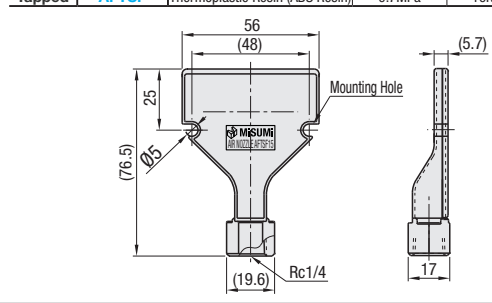
For orders larger than indicated quantity, please check with WOS.

Tapped



RoHS

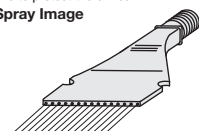
| Screw Shape | Type | Material | Max. Operating Pressure | Thread Failure Torque | Heat Resistance Temp. |
|-------------|-------|---------------------------------|-------------------------|-----------------------|-----------------------|
| Tapped | AFTSF | Thermoplastic Resin (ABS Resin) | 0.7MPa | 10N · m | 70°C |



Applications: For removal of oil, water drops and chips, cooling/ drying and air curtain, etc.

- Do not disassemble the main body.
- To prevent damage
 - Avoid over-tightening of screws.
 - Avoid shocks to the screws.
- For AFTSA and AFTSS, MISUMI logo, Product Name or Part Number is not engraved.
- Grooves are provided in the tip of the nozzle to protect the orifice.

Air Spray Image



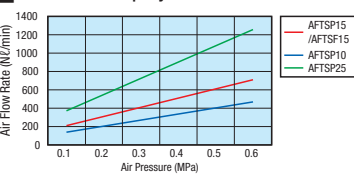
| Type | No. | Orifice | Air Flow Rate NL/min (for 0.3MPa) | Weight (g) |
|-------|-----|---------|-----------------------------------|------------|
| | | | | |
| AFTSF | 15 | 13- 0.9 | 410 | 20 |

For orders larger than indicated quantity, please check with WOS.



Days to Ship

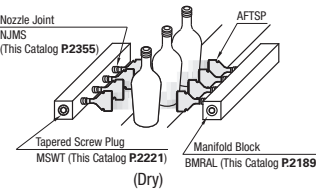
Air Flow Rate Property Table



Values on the graph are for reference, not guaranteed.

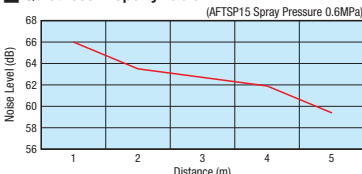


Example

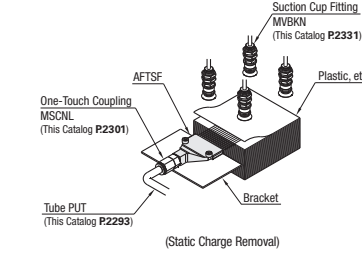


For cleaning process, in-line arrangement is recommended.

Quietness Property Table

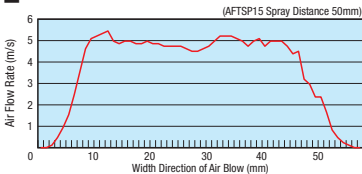


Values on the graph are for reference, not guaranteed.

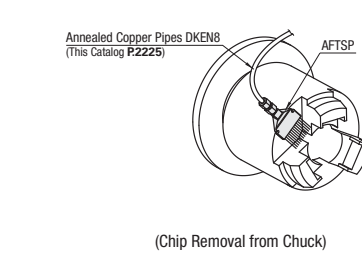


Tapped Type (AFTSF) can be directly mounted on threaded plumbing terminals (without having to use sockets).

Table of Flow Rate Characteristics



Values on the graph are for reference, not guaranteed.



This type of products are effective to remove chips from machining tools.



Flat Air Nozzles

Air-Amplified Type



Ordering Example

Part Number (Type · No.)
AFTAD15

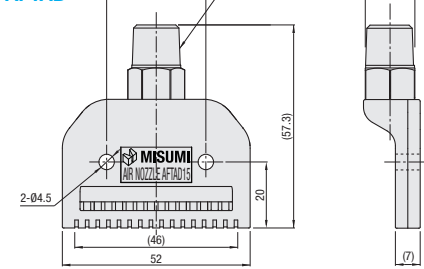
Air-Amplified Type



RoHS

| Type | Material | Max. Operating Pressure | Thread Failure Torque | Heat Resistance Temp. |
|-------|-----------|-------------------------|-----------------------|-----------------------|
| AFTAD | PPS Resin | 0.7MPa | 10N · m | 200°C |

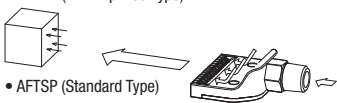
AFTAD



Features

- Air Nozzle that increases amount of air jetted out from the orifice by intaking the air around the nozzle.
- Intense air blow can be obtained with smaller amount of air. Air consumption of the compressor can be reduced. Therefore, energy saving effect can be expected.
- Oil resistance and heat resistance are increased by using PPS resin.
- Grooves are provided in the tip of the nozzle to protect the orifice.
- Do not disassemble the main body.
- To prevent damage
 - Avoid over-tightening of screws.
 - Avoid shocks to the screws.
- For AFTADA, MISUMI logo, Product Name or Part Number is not engraved.

AFTAD (Air-Amplified Type)



AFTSP (Standard Type)

More intensified air blow can be achieved with the same amount of air supply.

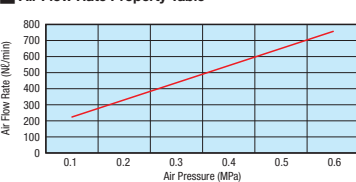
| Type | No. | Orifice | Air Flow Rate NL/min (for 0.3MPa) | Weight (g) |
|-------|-----|---------|-----------------------------------|------------|
| | | | | |
| AFTAD | 15 | 16-01 | 440 | 15 |

For orders larger than indicated quantity, please check with WOS.



Days to Ship

Air Flow Rate Property Table



Note that the air flow rate means the air supply, not the amount of discharge.

Values on the graph are for reference, not guaranteed.

Quietness Property Table

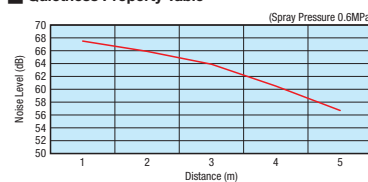
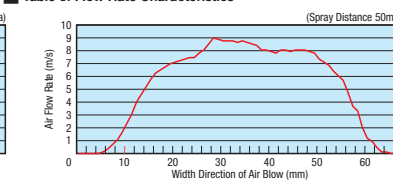
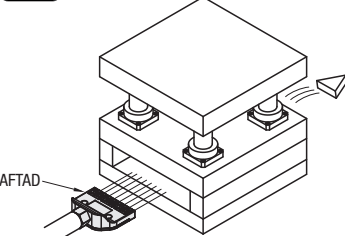


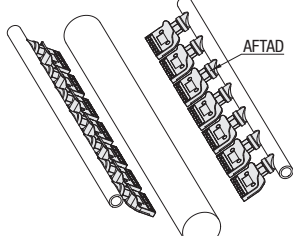
Table of Flow Rate Characteristics



Example

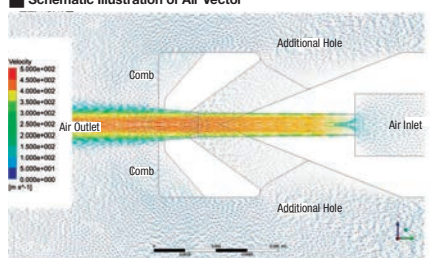


Intensified air blow can transfer heavy workpieces.



Air consumption can be reduced due to highly-efficient air blow, specifically in-line arrangement to dry long workpieces.

Schematic Illustration of Air Vector



- The flow rate is increased because air is inhaled through the inlets provided in the tip of the nozzle and the additional holes.
- The flow rate is increased more than 1.5 as much as the standard type, AFTSP15 (measured by MISUMI).

