



Flat Air Nozzles

Standard



Flat Air Nozzles

Air-Amplified Type



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

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			

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	-	-

Tapped

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

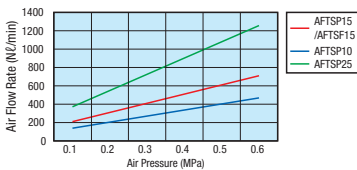
- Do not disassemble the main body.
- To prevent damage
 - Avoid over-tightening of screws.
 - Avoid shocks to the screws.
- For AFTSA and AFTSS, MISUMI logo, Product Name or Part Number is not engraved.
- Grooves are provided in the tip of the nozzle to protect the orifice.

Air Spray Image

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

Days to Ship **1** Days (AFTSP15) / **3** Days (Others)

Air Flow Rate Property Table



Quietness Property Table

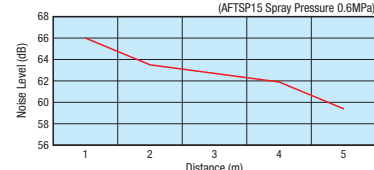
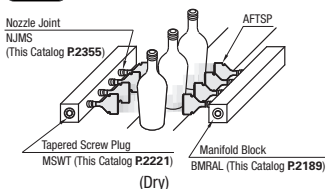
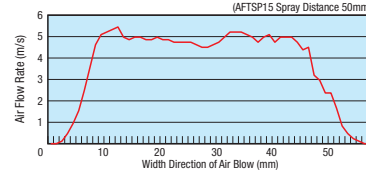
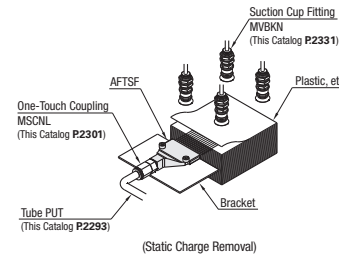


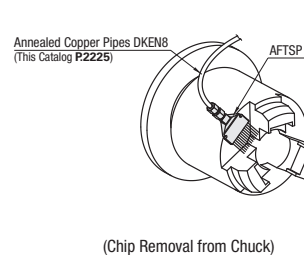
Table of Flow Rate Characteristics



For cleaning process, in-line arrangement is recommended.



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



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



Part Number (Type · No.)
AFTAD15

Air-Amplified Type

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

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)

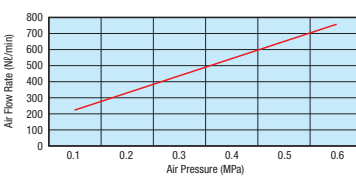
AFTSP (Standard Type)

Air blow equivalent to the standard type can be achieved with the lower pressure. 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

Days to Ship **3** Days

Air Flow Rate Property Table



Quietness Property Table

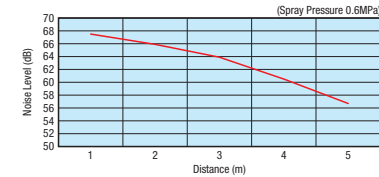
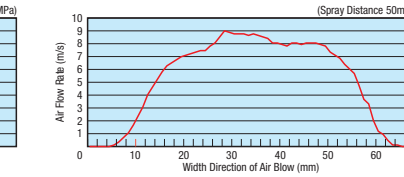
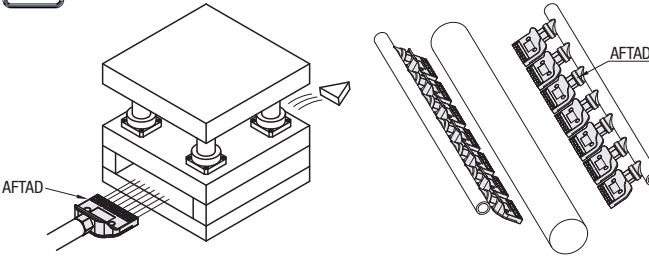


Table of Flow Rate Characteristics

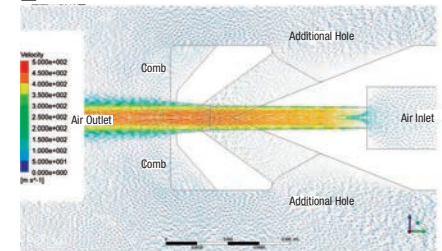


Note that the air flow rate means the air supply, not the amount of discharge. Values on the graph are for reference, not guaranteed.



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).