

Flat Air Nozzles

Air-Amplify Wide Type / Air-Amplify Compact Type

Flat Air Nozzles – Air-Amplify Wide Type

Type	Material	Max. Operating Pressure	Heat Resistance Temp.
AFTADW	PPS Resin	0.7 MPa	200°C

Features

- Blow Port width approx. two times as wide as Standard Type (AFTAD). Air volume and speed out of the orifices are increased by taking surrounding air.
- High colliding force with less air enables energy saving and air consumption reduction.
- PPS Resin is used to improved oil and heat resistance.
- Grooves are provided at the tip of the nozzle to protect the orifice.
- Hex socket type connecting port allows easy replacement even when the damage to the thread occurs.
- To prevent damage
 - Avoid excessive tightening of screws.
 - Avoid shocks to the screws.

RoHS 10

Part Number		Orifice	Air Flow Rate NL/min (for 0.3MPa)	Weight (g)
Type	No.			
AFTADW	20	32-Ø1	410	28

Part Number Example: **AFTADW20**

Flat Air Nozzles – Air-Amplify Compact Type

Type	Material	Max. Operating Pressure	Heat Resistance Temp.
AFTADC	PPS Resin	0.7MPa	200°C

Features

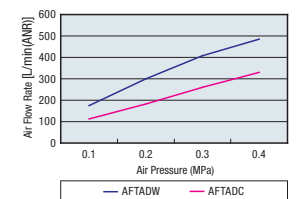
- More compact than Standard Type (AFTAD). (Width: Approx. 35%, Overall Length: Approx. 40% more compact)
- Air volume and speed out of the orifices are increased by taking surrounding air.
- High colliding force with less air enables energy saving and air consumption reduction.
- PPS Resin is used to improved oil and heat resistance.
- Grooves are provided at the tip of the nozzle to protect the orifice.
- Hex socket type connecting port allows easy replacement even when the damage to the thread occurs.
- To prevent damage
 - Avoid excessive tightening of screws.
 - Avoid shocks to the screws.

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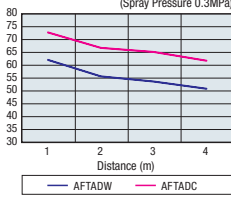
Part Number		Orifice	Air Flow Rate NL/min (for 0.3MPa)	Weight (g)
Type	No.			
AFTADC	7	10-Ø1	260	7

Part Number Example: **AFTADC7**

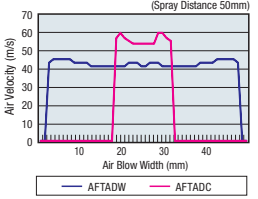
Air Flow Rate Property Table



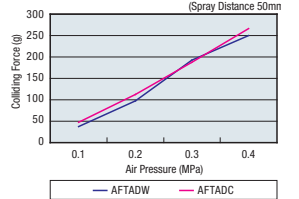
Quietness Property Table



Velocity Characteristic Table



Air Colliding Force Property Table



Ⓢ Listed Flow Rate is Supplied Flow Rate, not Discharged Flow Rate.
Ⓢ Values on the graph are for reference, not guaranteed.

Flat Air Nozzles

Wide / Compact

Flat Air Nozzles – Wide

Type	Material	Max. Operating Pressure	Thread Breakdown Torque	Heat Resistance Temp.
AFTW	ABS Resin Plastic	0.7 MPa	10N·m	70°C

Features

- Blow Port width approx. two times as wide as Standard Type (AFTSP).
- To prevent damage
 - Avoid excessive tightening of screw.
 - Avoid shocks to the screws.

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Part Number		Orifice	Air Flow Rate NL/Min (for 0.3 MPa)	Weight (g)
Type	No.			
AFTW	20	32-Ø1	290	40

Part Number Example: **AFTW20**

Flat Air Nozzles – Compact

Type	Material	Surface Treatment	Max. Operating Pressure	Heat Resistance Temp.
AFTC	ABS Resin Plastic	—	0.7MPa	70°C
AFTCA	Aluminum Casting Alloy 383.0	Electroless Nickel Plating	0.7MPa	200°C

Features

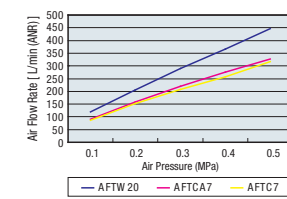
- More compact than Standard Type (AFTSP). (Width: Approx. 40%, Overall Length: Approx. 60% more compact)
- To prevent damage
 - Avoid excessive tightening of screws.
 - Avoid shocks to the screws.

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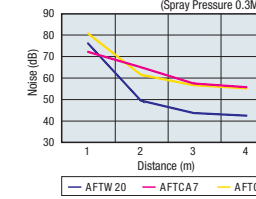
Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)
Type	No.			
AFTC	7	22-Ø0.7	210	5
AFTCA	7	5-Ø0.8, 6-Ø1.0	220	17

Part Number Example: **AFTC7**

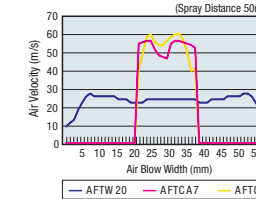
Air Flow Rate Property Table



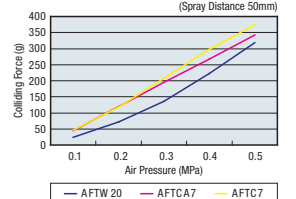
Quietness Property Table



Velocity Characteristic Table

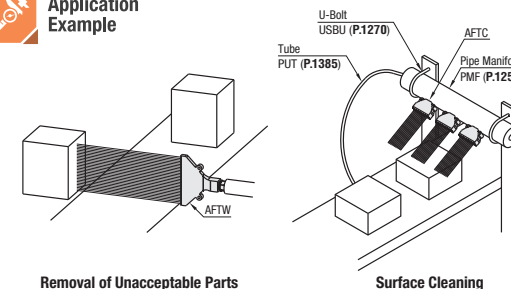


Air Colliding Force Property Table



Ⓢ Values on the graph are for reference, not guaranteed.

Application Example



Dimensional Comparison

