Flat Air Nozzles
Standard (Plastic/Metal)

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■Standard (Plastic)
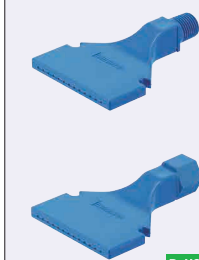
Type	M Material	Max. Operating Pressure	Heat Resistance Temp.	Screw Shape	Thread Breakdown Torque
AFTSP	ABS Resin	0.7MPa	70°C	Male Thread	15N·m
AFTSF				Tapped	10N·m

AFTSP 56 (49) 25 (78) Mounting Hole 2-Ø5 (14.8) R1/4

AFTSF 56 (49) (5.7) 25 (78) Mounting Hole 2-Ø5 (19.6) Rc1/4 (5.7) 17

RoHS10
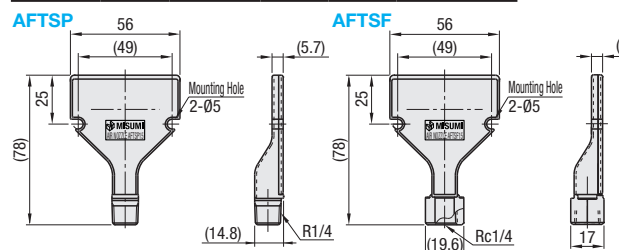
■Applications: For removal of oil, water drops and chips, cooling/ drying and air curtain, etc.
To prevent damage
・Avoid excessive tightening of screws.
・Avoid shocks to the screws.
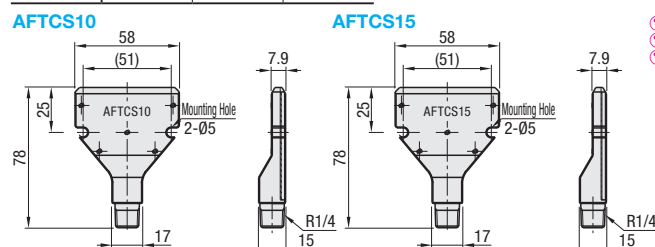Grooves are provided at the tip of the nozzle to protect the orifice.

Part Number
AFTSP15

Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~39	40~99	100~200
AFTSP	10	13-□0.7	240	16.8				
	15	13-□0.9	260	16.5				
	25	13-□1.2	280	16.2				
AFTSF	15	13-□0.9	240	16.5				

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

■Standard (Metal) - Cast

Type	M Material	Max. Operating Pressure	Heat Resistance Temp.
AFTCS	SUS304	0.4MPa	200°C

AFTCS10 58 (51) 25 78 AFTCS10 Mounting Hole 2-Ø5 17 R1/4 15 7.9

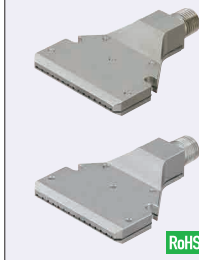**AFTCS15** 58 (51) 25 78 AFTCS15 Mounting Hole 2-Ø5 17 R1/4 15 7.9

RoHS10

■Applications: For removal of oil, water drops and chips, cooling/ drying and air curtain, etc.
Do not disassemble the main body.
The part number is engraved.
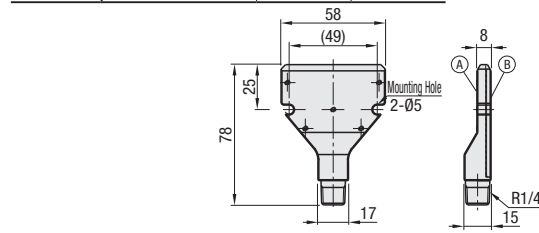Grooves are provided at the tip of the nozzle to protect the orifice.

Part Number
AFTCS15

Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~9	10~19	20~30
AFTCS	10	13-□0.7	240	160				
	15	13-□0.9						

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

■Standard (Metal)

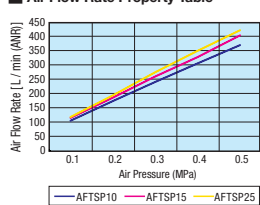| Type	M Material	Max. Operating Pressure	Heat Resistance Temp.
AFTSA	A5052P	0.4MPa	200°C
AFTSS	SUS304		

58 (49) 25 78 Mounting Hole 2-Ø5 17 R1/4 15 8 A B

RoHS10

■Applications: For removal of oil, water drops and chips, cooling/ drying and air curtain, etc.
Do not disassemble the main body.
The MISUMI logo, Product Name or Part Number is not engraved.
Grooves are provided at the tip of the nozzle to protect the orifice.
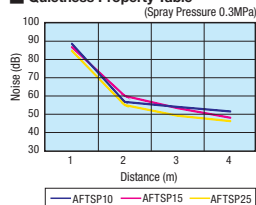A gasket is inserted between A and B.

Part Number
AFTSA15

Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~9	10~19	20~30
AFTSA	15	13-□0.9	240	60				
AFTSS				165				

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

■Wide

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

108 (9) 41 100 Mounting Hole 2-Ø5.2 64 (19) R3/8

RoHS10
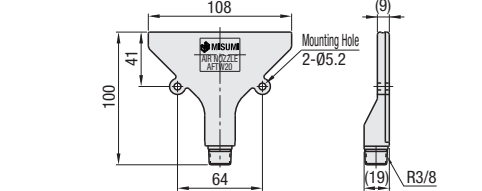
■Features
Blow Port width approx. two times as wide as Standard Type (AFTSP).
To prevent damage
・Avoid excessive tightening of screw.
・Avoid shocks to the screws.

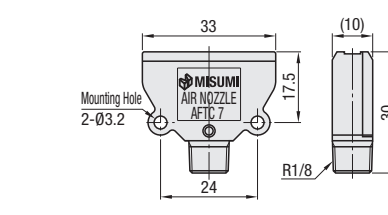| Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~39	40~99	100~200
AFTW	20	32-Ø1	290	40				

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

Ordering Example | Part Number
AFTW20

■Compact (Plastic)

Type	M Material	S Surface Treatment	Max. Operating Pressure	Heat Resistance Temp.
AFTC	ABS Resin	-	0.7MPa	70°C

33 (10) 17.5 30 Mounting Hole 2-Ø3.2 24 R1/8

RoHS10

■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.

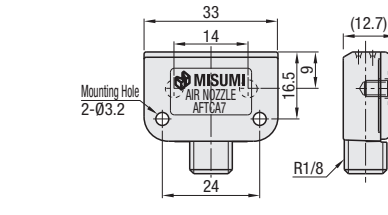| Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~39	40~99	100~200
AFTC	7	22-Ø0.7	210	5				

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

Ordering Example | Part Number
AFTC7

■Compact (Metal)

Type	M Material	S Surface Treatment	Max. Operating Pressure	Heat Resistance Temp.
AFTCA	ADC12	Electroless Nickel Plating	0.7MPa	200°C

33 14 (12.7) 16.5 9 30 Mounting Hole 2-Ø3.2 24 R1/8

RoHS10

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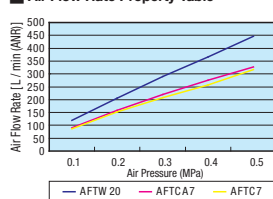To prevent damage
・Avoid excessive tightening of screws.
・Avoid shocks to the screws.

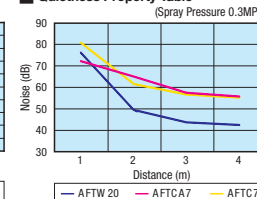| Part Number		Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	No.					5~9	10~19	20~30
AFTCA	7	5-Ø0.8, 6-Ø1.0	220	17				

For orders larger than indicated quantity, please check with WOS.
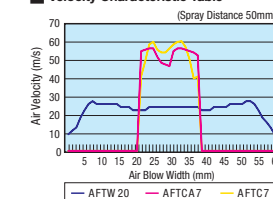
Ordering Example | Part Number
AFTCA7

■ Air Flow Rate Property Table
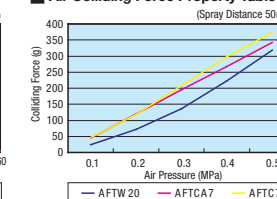Air Flow Rate [L / min (ANR)]
0.1 0.2 0.3 0.4 0.5 Air Pressure (MPa)
—AFTSP10 —AFTSP15 —AFTSP25

■ Quietness Property Table (Spray Pressure 0.3MPa)
Noise (dB)
1 2 3 4 Distance (m)
—AFTSP10 —AFTSP15 —AFTSP25

■ Velocity Characteristic Table (AFTSP15 Spray Distance 50mm)
Air Velocity (m/s)
10 20 30 40 50 Air Blow Width (mm)

■ Air Colliding Force Property Table (Spray Distance 50mm)
Colliding Force (g)
0.1 0.2 0.3 0.4 0.5 Air Pressure (MPa)
—AFTSP10 —AFTSP15 —AFTSP25

Values on the graph are for reference, not guaranteed.

■ Air Flow Rate Property Table
Air Flow Rate [L / min (ANR)]
0.1 0.2 0.3 0.4 0.5 Air Pressure (MPa)
—AFTW 20 —AFTCA7 —AFTC7

■ Quietness Property Table (Spray Pressure 0.3MPa)
Noise (dB)
1 2 3 4 Distance (m)
—AFTW 20 —AFTCA7 —AFTC7

■ Velocity Characteristic Table (Spray Distance 50mm)
Air Velocity (m/s)
5 10 15 20 25 30 35 40 45 50 55 60 Air Blow Width (mm)
—AFTW 20 —AFTCA7 —AFTC7

■ Air Colliding Force Property Table (Spray Distance 50mm)
Colliding Force (g)
0.1 0.2 0.3 0.4 0.5 Air Pressure (MPa)
—AFTW 20 —AFTCA7 —AFTC7

Values on the graph are for reference, not guaranteed.