

# 90° Air Nozzle

## Standard / Compact

Air blow videos are now on the web! [MISUMI Nozzles Videos](#) [Search](#) <http://jp.misumi-ec.com/>

**Standard**

Type	Material	Max. Operating Pressure	Breakdown Torque	Heat Resistance Temp.
AFTRW	ABS Plastic	0.7MPa	7N·m	70°C

**Features**  
 Suitable for limited space. Easy to mount since air projection angle is vertical to the thread face.  
 To prevent damage  
 • Avoid excessive tightening of screw.  
 • Avoid shocks to the screws.

RoHS 10

Part Number	Air Flow Rate NL/min (for 0.3MPa)	Weight (g)	Unit Price	Volume Discount Rate
Type	No.	Orifice	1 ~ 4 pc(s).	5-39 40-99 100-200
AFTRW	30	16-Ø1	210	15

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

**Compact**

Type	Material	Surface Treatment	Max. Operating Pressure	Heat Resistance Temp.
AFTR	ABS Plastic	-	0.7MPa	70°C
AFTRA	ADC12	Electroless Nickel Plating	0.7MPa	200°C

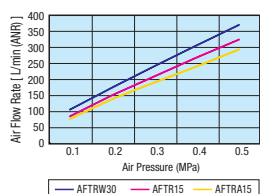
**Features**  
 Air Nozzles are more compact than Standard Type. (Width: Approx. 60%, Overall Length: Approx. 45% more compact)  
 To prevent damage  
 • Avoid excessive tightening of screws.  
 • Avoid shocks to the screws.

RoHS 10

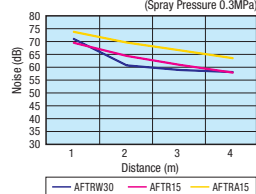
Part Number	Orifice	Air Flow Rate NL/min (for 0.3MPa)	Weight (g)	AFTR			AFTRA		
				Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate		
Type	No.			1-4 pc(s).	5-39 40-99 100-200	1-4 pc(s).	5-9 10-19 20-30		
AFTR	15	8-Ø0.6x1.5	210	4	-	-	-		
AFTRA		4-Ø0.8x1.8	190	10	-	-	-		

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

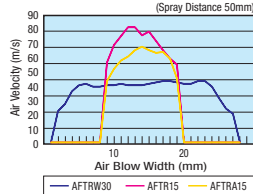
**Air Flow Rate Property Table**



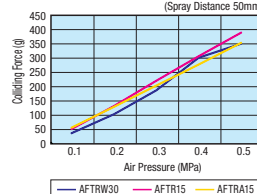
**Quietness Property Table**



**Velocity Property Table**



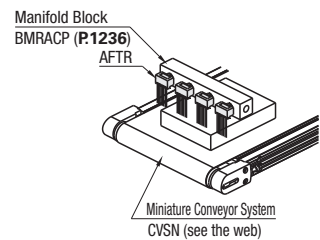
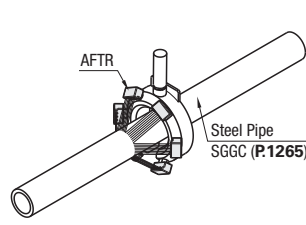
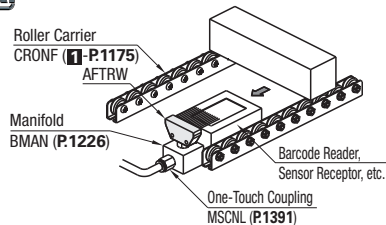
**Air Colliding Force Property Table**



Values on the graph are for reference, not guaranteed.



Example



Blow air over the sensor receiver to prevent dust adhesion.

(Surface Cleaning)

(Dry)

# 90° Air Nozzle

## Wide / Vertica Blow

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**Wide Type**

Type	Material	Max. Operating Pressure	Heat Resistance Temp.
AFTRSW	ABS Plastic	0.7MPa	70°C

**Features**  
 Blow Port width approx. two times as wide as Standard Type (AFTRW), allows for parts reduction. Ribs are provided to protect the orifice.  
 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)	Unit Price	Volume Discount Rate
Type	No.			1 ~ 4 pc(s).	5-39 40-99 100-200
AFTRSW	60	32-Ø1	290	20	

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

**Vertica Blow Type**

Type	Material	Max. Operating Pressure	Heat Resistance Temp.
AFTRV	ABS Plastic	0.7MPa	70°C

**Features**  
 Connection mechanism enables spray width to be adjusted according to the workpiece.  
 \*Connect nozzles by tightening screws with O-Rings (JIS Nominal Number P14) in between.

RoHS 10

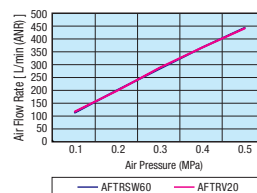
When connecting, use in combination with nozzle supports.

Part Number	Orifice	Air Flow Rate NL/Min (for 0.3MPa)	Weight (g)	Unit Price	Volume Discount Rate
Type	No.			1 ~ 4 pc(s).	5-39 40-99 100-200
AFTRV	20	33-Ø1	290	25	

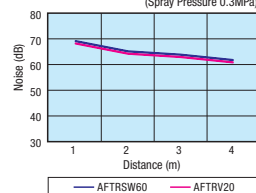
For orders larger than indicated quantity, please check with WOS.

Ordering Example **Part Number**  
 AFTRSW60  
 AFTRV20

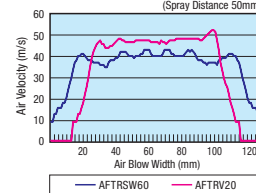
**Air Flow Rate Property Table**



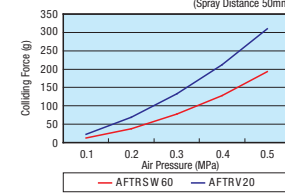
**Quietness Property Table**



**Velocity Property Table**

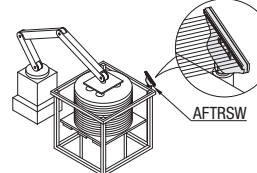


**Air Colliding Force Property Table**

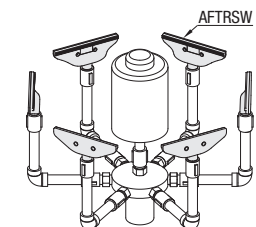


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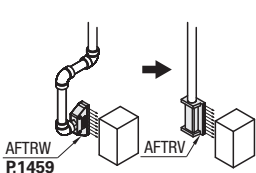
EX Example



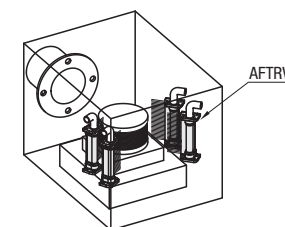
(Separating thin sheet metal plates coated with machining oil)  
 • Prevents duplicative conveyance of the subject workpiece.



(Cleaning of Workpiece Exterior)  
 • Suitable for surface cleaning of cylindrical workpiece.



(Plumbing Reduction)  
 • Easy handling of plumbing.



(Drying in Air Blow Room)  
 • Effective for air blow in limited spaces as nozzle and plumbing are arranged in the same direction.