

New

VESSEL
Think Solutions!

Pulse Air Duster **No.AD-2 PLS**
Pulse Air Nozzle 2-pcs. set **No.PLS-2P**

***Powerful blowing even on the uneven surface
with the pulse air blow!***



Advantages

- 1 Pulse air : good drainage even from the uneven surface!**
- 2 Powerful : Effective air blow!**

Pulse Blow Effect

Air reaches the wide area.
The rotating air has an effect
to blow off powerfully dust
and others.

Normal Air Duster

Air blow is pinpointed.
Need to move the wrist to
blow off dust and others.

*Images are for illustrative purposes only.

Best for these applications!



Water and oil drainage / Dry

Clean-up of polishing powders

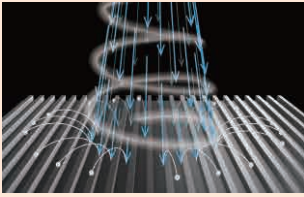
Clean-up of cutting wastes

Blow-off of chips

AD-2 PLS / PLS-2P

point 1

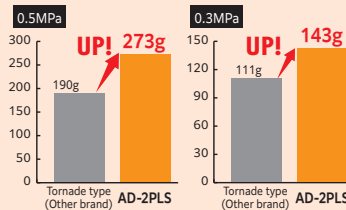
Pulse air in a circular motion. Good drainage from the uneven place!



Pull the trigger, and the air is discharged in a circular motion from the nozzle tip. Since the rotating air is blown to the workpiece intermittently, dust and water in the gaps on the uneven surface are scraped out smoothly.

point 2

Powerful air blow. Effective blow-off.



Under the same air pressure, the blow is more powerful and the blow-off is more effective.



*Measures air volume that was sprayed to a weighing scale.

point 3

Compact tip. Easy handling.



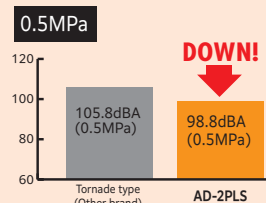
Tornade Type (Other brand)

AD-2 PLS

The compact size tip and the minimal length enable to handle easily and thus increase operability. Also resin body makes itself light.

point 4

Reduced noises. Less noise than the tornade type!

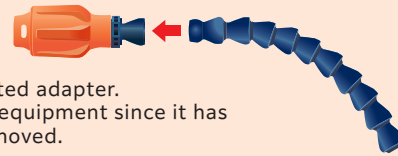


The bore of the nozzle tip is $\phi 2.9\text{mm}$, almost same as the normal air duster. Such noises as rubbing ones from a tornade type and the noise due to the higher flow are not caused.



point 5

Can attach the pulse air nozzle to a flexible air hose!



The pulse air nozzle comes with the dedicated adapter. The nozzle can be used as an air nozzle for equipment since it has M10 female thread when the adapter is removed.

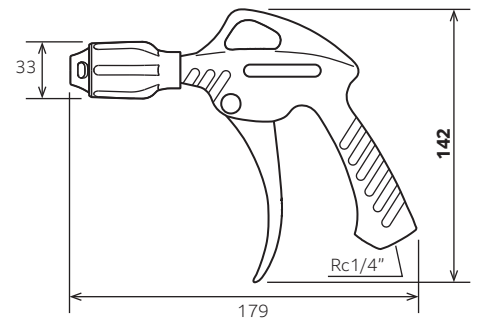


Pulse Air Duster

AD-2 PLS



- Pulse blow operation increases the dust removal efficiency.
- Outstanding operability with ergonomically designed handle. Light-weight plastic body.
- Good for blowing chips, particles, water, and oil.



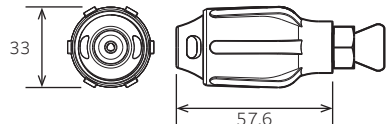
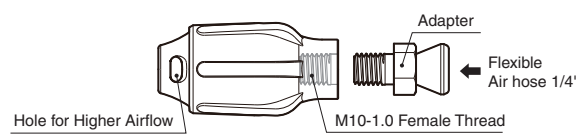
Code No.	Model No.	Nozzle Function	Nozzle Size (mm)			Working Pressure (MPa)	Air Consumption (l/min)	Overall Length (mm)	Weight (g)	Inner Ctn. (pcs.)	Package Size (mm)	JAN (4907587)
			Length	Outer Dia.	Nozzle Inner Dia.							
141123	AD-2 PLS	Pulse Blow	57.6	33	2.9	0.5	260	179	156	20	210x120x30	036520

• Working fluid: compressed air • Pressure resistance: 0.97MPa • Working temperature range: 0-60°C (32-140°F) • Air inlet thread dia.: Rc 1/4
 • Material: Body and Nozzle Polyacetal resin • Working air hose ID: $\phi 4\text{mm}$ and more • Air pressure when air consumption is measured: 0.5MPa • Package: Paper box

Pulse Air Nozzle (2-pc. set)

PLS-2P

- Pulse blow operation increases the dust removal efficiency.
- Comes with an adapter to attach a flexible air hose. *Cannot attach this to the AD-2 series.
- Good for blowing chips, particles, water, and oil.



Code No.	Model No.	Nozzle Function	Nozzle Size (mm)			Working Pressure (MPa)	Air Consumption (l/min)	Hose Size	Weight (g)	Inner Ctn. (pcs.)	Package Size (mm)	JAN (4907587)
			Length	Outer Dia.	Nozzle Inner Dia.							
141124	PLS-2P	Pulse Blow	57.6	33	2.9	0.5	300	1/4"	35	10	165x105x34	036537

• Working fluid: Compressed air • Pressure resistance: 0.97MPa • Working temperature range: 0-60°C (32-140°F) • Material: Polyacetal resin • Working air hose ID: $\phi 4\text{mm}$ and more
 • Air pressure when air consumption is measured: 0.5MPa • Package: Plastic bag with header card

AD-2 series

Big lever that can be operated with 4 fingers.

The air flow volume can be adjusted by changing the gripping force.

The handle is ergonomically designed, and it allows outstanding operability.

Air Duster (Standard Nozzle) | AD-2 0N

- To blow off machined chips, water, and oil.



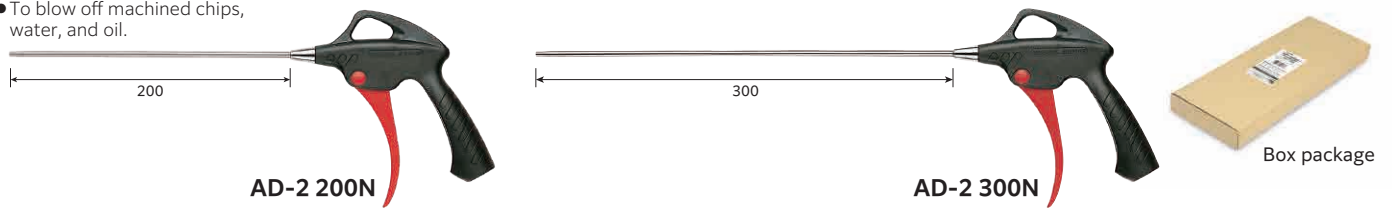
Air Duster (Standard Long Nozzle) | AD-2 100N

- To blow off machined chips, water, and oil.



Air Duster (Standard Long Nozzle) | AD-2 200N/ 300N

- To blow off machined chips, water, and oil.



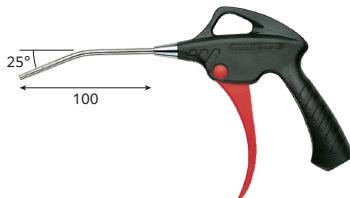
Code No.	Model No.	Nozzle Type	Nozzle		Air Consumption (ℓ/min)	Overall Length (mm)	Weight (g)	Outer Ctn.	Card/ Box Size (mm)	JAN (4907587)
			Length	Inner Dia.(mm)						
141111	AD-2 0N	Standard Nozzle	-	2.1	135	145	122	10	232x152x30	017604
141151	AD-2 0N-PB	Standard Nozzle(with plug)	-	2.1	135	155	146	10	232x152x30	017680
141112	AD-2 100N	Long Nozzle	100	2.1	135	242	131	10	232x182x30	017611
141152	AD-2 100N-PB	Long Nozzle(with plug)	100	2.1	135	252	157	10	232x182x30	017697
141113	AD-2 200N	Long Nozzle	200	2.1	135	342	141	1	in paper box 360x138x30	017673
141114	AD-2 300N	Long Nozzle	300	2.1	135	442	150	1	in paper box 460x138x30	017628

- Working fluid: compressed air • Max. working pressure: 0.97MPa • Working temperature range: 0-60°C(32-140°F) • Air inlet thread diameter: Rc 1/4
- Working air hose I.D.: φ4mm and more • Air pressure when air consumption is measured: 0.49MPa • Blister packing (except 200N, 300N that are supplied in a paper box)

※Nozzle can not be replaced.

Air Duster (25° Long Nozzle) | AD-2 100A

- 25° angled tip to improve workability.



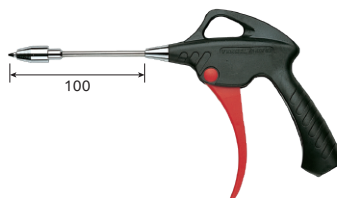
Air Duster (Safety Bypass Nozzle) | AD-2 0S

- To blow off safely and quietly in a wide area.



Air Duster (Safety Long Nozzle) | AD-2 100S

- To blow off safely and quietly in a wide area.



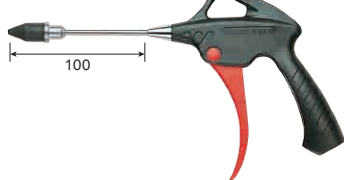
Air Duster (Rubber Nozzle) | AD-2 0R

- To blow off dust in the place that should not be scratched.



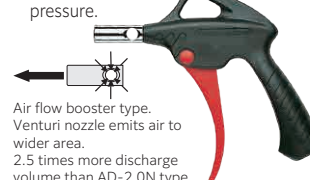
Air Duster (Rubber Long Nozzle) | AD-2 100R

- To blow off dust in the place that should not be scratched.



Air Duster (High Volume Nozzle) | AD-2 0M

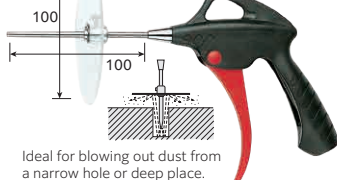
- For when more air discharge is required with a low air pressure.



Air flow booster type.
Venturi nozzle emits air to wider area.
2.5 times more discharge volume than AD-2 0N type.

Air Duster (Chip Shield Long Nozzle) | AD-2 100P

- Shut out dust rebound.



Ideal for blowing out dust from a narrow hole or deep place.

Air Duster (Air Screen Nozzle) | AD-2 0C

- Shut out dust rebound with air screen.

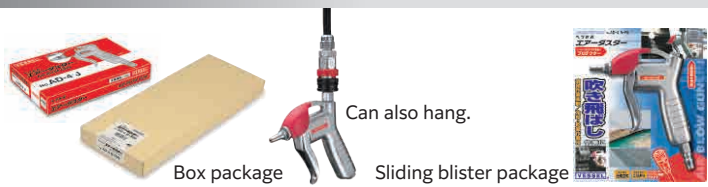


Code No.	Model No.	Nozzle Type	Nozzle		Air Consumption (ℓ/min)	Overall Length (mm)	Weight (g)	Outer Ctn.	Card/ Box Size (mm)	JAN (4907587)
			Length	Inner Dia.(mm)						
141115	AD-2 100A	25° Long Nozzle	100	2.1	135	242	131	10	232x182x30	017635
141121	AD-2 0S	Safety Bypass nozzle	-	2.1	105	155.5	131	10	232x152x30	017727
141122	AD-2 100S	Safety Bypass long nozzle	100	2.1	105	239.5	151	10	232x182x30	017734
141116	AD-2 0R	Rubber Nozzle	-	2.1	115	155.5	123	10	232x152x30	017659
141117	AD-2 100R	Rubber Long Nozzle	100	2.1	115	227	147	10	232x182x30	017666
141118	AD-2 0M	High Volume Nozzle	-	10	185	160	126	10	232x152x30	017703
141120	AD-2 100P	Chip Shield Long Nozzle	100	2.1	135	242	157	10	232x182x30	017642
141119	AD-2 0C	Air Screen Nozzle	-	2.8	260	145	127	10	232x152x30	017710

- Working fluid: compressed air • Max. working pressure: 0.97MPa • Working temperature range: 0-60°C(32-140°F) • Air inlet thread diameter: Rc 1/4
- Working air hose I.D.: φ4mm and more • Air pressure when air consumption is measured: 0.49MPa • Blister packing

※Nozzle can not be replaced.

With a protector that prevents the lever from rattling.
Big handle that fits the hand.
Can use by hanging because the intake port is located on both upper and lower sides.



Air Duster (Standard Nozzle) | AD-4 N

• Standard type.

RoHS



AD-4 N/N-PB

AD-4 N-PT

Air Duster (Flow Adjustment Nozzle) | AD-4 J

• Can adjust the air flow.



AD-4 J/J-PB

AD-4 J-PT

Air Duster (High Volume Nozzle) | AD-4 M

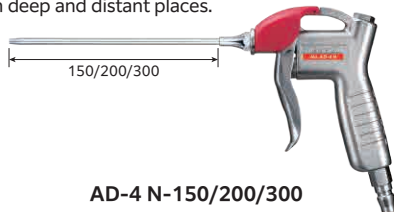
• Booster nozzle with a higher spraying pressure.

RoHS



Air Duster (Long Nozzle) | AD-4 N

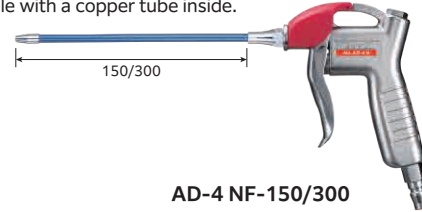
• For working in deep and distant places.



AD-4 N-150/200/300

Air Duster (Flexible Nozzle) | AD-4 NF

• Flexible nozzle with a copper tube inside.



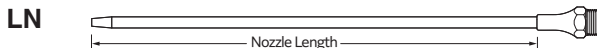
AD-4 NF-150/300

Code No.	Model No.	Nozzle Type	Nozzle Inner Dia. (mm)	Air Consumption (ml/min)	Overall Length (mm)	Weight (g)	Air Hose Connection	Outer Ctn.	Card/ Box Size (mm)	JAN (4907587)
141180	AD-4 N	Standard Nozzle	2	180	125	235	Coupling	20	in paper box 173x110x25	027078
141181	AD-4 N-PB	Standard Nozzle	2	180	125	235	Coupling	10	185x160x30	027085
141182	AD-4 N-PT	Standard Nozzle	2	180	125	235	1/4 Hose	10	185x160x30	027092
141183	AD-4 J	Flow Adjustment Nozzle	2	150	130	240	Coupling	20	in paper box 173x100x25	027108
141184	AD-4 J-PB	Flow Adjustment Nozzle	2	150	130	240	Coupling	10	185x160x30	027115
141185	AD-4 J-PT	Flow Adjustment Nozzle	2	150	130	240	1/4 Hose	10	185x160x30	027122
141187	AD-4 M	High Volume Nozzle	2x1pc, 0.8x4pcs.	230	125	228	Coupling	20	in paper box 185x160x30	027313
141188	AD-4 N-150	Long Nozzle	2.5	230	275	248	Coupling	10	in paper box 173x100x25	027344
141189	AD-4 N-200	Long Nozzle	2.5	230	325	253	Coupling	10	in paper box 300x140x25	027351
141190	AD-4 N-300	Long Nozzle	2.5	230	425	260	Coupling	10	in paper box 450x140x25	027368
141191	AD-4 NF-150	Flexible Nozzle ※	2.3	140	275	260	Coupling	10	in paper box 300x140x25	027375
141193	AD-4 NF-300	Flexible Nozzle ※	2.3	110	425	274	Coupling	10	in paper box 450x140x25	027399

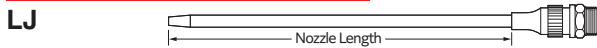
• Working fluid: compressed air • Working air pressure: 0.5MPa • Max. working pressure: 0.7MPa • Working temperature range: 0-60° C • Working air hose ID: φ 4mm and more
• Overall length and weight: Air coupler included. ※It can be bent freely due to the built-in copper tube. (Do not bend it at a steep angle.)

Interchangeable Nozzles (for AD-4)

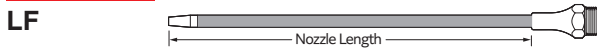
Long Nozzle



Air Flow Volume Adjustment Long Nozzle



Flexible Nozzle Bendable



Plastic Nozzle Safe and dent-free



Nozzle Type	Code No.	Model No.	Nozzle Inner Dia. (mm)	Outer Dia. of the tip (mm)	Nozzle Length (mm)	SPQ	JAN (4907587)
Long Nozzle	141133	LN-150	2.5	5	150	10	027160
	141134	LN-200	2.5	5	200	10	027177
	141135	LN-300	2.5	5	300	10	027184
Air Flow Volume Adjustment Long Nozzle	141137	LJ-150	2.5	5	150	10	027207
	141138	LJ-200	2.5	5	200	10	027214
	141139	LJ-300	2.5	5	300	10	027221
	141140	LJ-500	2.5	5	500	10	027238
Flexible Nozzle	141143	LF-150	2.3	7	150	10	027269
	141144	LF-200	2.3	7	200	10	027276
	141145	LF-300	2.3	7	300	10	027283
Plastic Nozzle	141132	SP-0	2.0	7.5	21	1	027153

⚠ Cautions

• Make sure of the correct applications and usage before use. • Do not point to a human body. • Do not use under more than the maximum working pressure. • Be careful of the scattered objects and wear protective goggles. • Do not use when the air is leaked or there are damages on the product. • Keep in a home the product where children don't reach.



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