

■ External View



■ Specifications

Model	VNA-15			VNA-30			VNA-45			VNA-60			VN-30SD			VN-45SD			VN-60SD		
Power source	3 phase·50/60Hz Separate use												3 phase·50/60Hz Separate use								
Output(kW)	0.75			1.5			2.2			3.7			1.5			2.2			1.5×2		
Airflow Capacity(m³/min)	0	7.5	12	0	15	28	0	22	40	2	30	55	0	15	24.5	0	20	35	0	30	50
Static pressure(kPa)	2.55	1.77	0.69	2.55	2.26	1.27	2.55	2.35	1.37	2.94	2.65	1.47	2.84	1.62	0.39	2.75	1.72	0.49	2.75	1.62	0.39
Noise[±2dB(A)]	65									68			—			—			—		
Filter material	Cotton												Cotton with alminum sheet earth								
Filter area(m²)	4.5			9			13.5			18			7.5			10			18		
Quantity	1			2			3			4			3			4			6		
Dust removal	Manual Shake												Manual Shake								
Dust bucket capacity(l)	18			25			36			50			27			38			50×2		
Power cord(m[core])	3[4],no plug												5[4],no plug								
Inlet diameter(mm)	φ 127			φ 150			φ 200			φ 200			φ 150			φ 200			φ 200		
Exterior dimensions W×L×H(mm)	650×400×1205			650×650×1492			850×650×1542			1100×700×1652			933×957×1765			1285×1030×1965			1682×1158×2194		
Mass(kg)	90			140			175			260			220			280			440		

These specification are for standard models. Specifications for custom-built equipment may differ.

Caution

- 【VNA Series】
- Do not collect water, water-soluble or oil mists, or other adhesive materials.
 - Do not collect lit tobacco or other similarly incendiary materials with this equipment.
 - Do not collect gasoline, thinner, kerosene, or other similary flammable materials.
 - Do not collect aluminum, titanium, epoxies, organic solvents, or other potentially explosive materials.
 - Dust collectors equipped with anti-explosion mechanisms are available, however; please ask your Amano representative about them.
 - Before collecting potentially flammable dust in an environment where sparks are present (e.g. grinding), consult your Amano representative to determine the appropriate dust collecting equipment.
 - When collecting dust in environments where sparks are also present (e.g. metal cutting), be sure to utilize a pre-dust box and steel plate dust tray.
 - When using an anti-static filter, be sure to also use a steel plate dust tray.
 - To avoid the danger of electrical shock, utilize the enclosed ground wire when instaling the equipment.
 - Arrange piping in accordance with collection conditions, and utilize appropriater-sized ducts over as short a distance as possible to avoid pipe clogging and dust accumulation.

- 【VN-SD Series】
- The dust-explosion pressure diffusion types are all structured so that they are less likely to cause dust explosion but not prevent such explosion completely.
 - The dust-explosion pressure diffusion types do not draw in all kinds of dust and particles.
- Before using, consult our branch or sales office for details of your objective dust and particles.
- Do not draw in the magnesium or magnesium alloy particles, which have characteristics of high explosion intensity.
 - For the dust-explosion pressure diffusion types, observe the cautions for VNA Series except for above ones.
 - Do not expose your body over any dust-explosion pressure diffusion types.
 - Dispose of collected dust every day. Do not accumulate too much dust in the bucket.

Specifications and descriptions contained in this catalog may be subject to change without notice.

Please direct any questions to:

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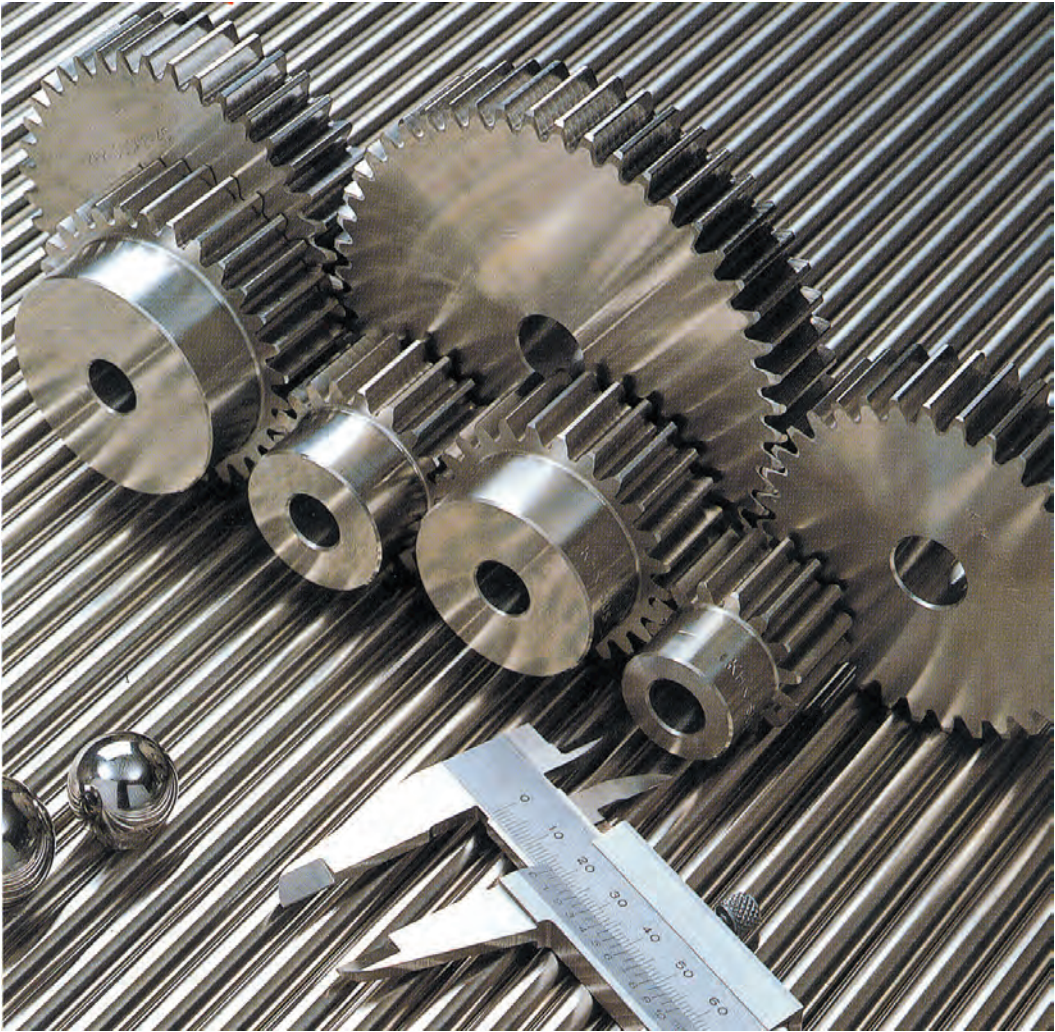


Hosoe Facility in JAPAN

STANDARD TYPE DUST COLLECTOR

VNA-series

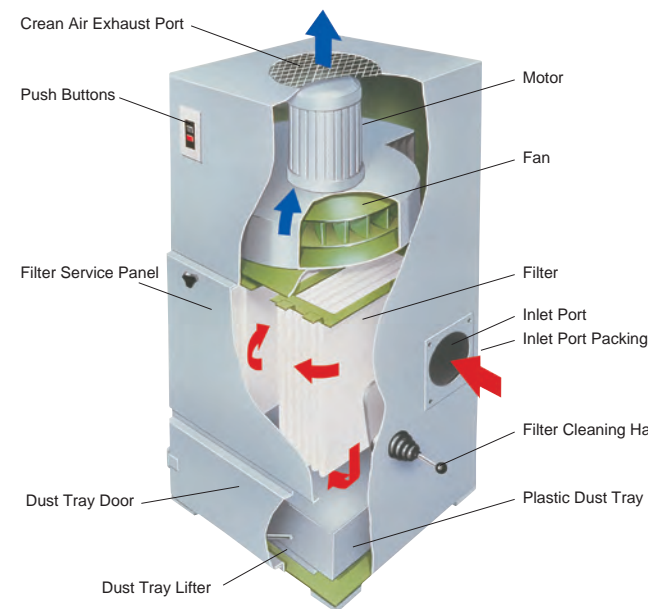
Dust-Explosion Pressure Diffusion Type : VN-SD series



The advantage of a good foundation is that is stands the test of time.
VNA Series standard models are based on Amano’s time proven dust collecting technology.



VNA-30 Structure Diagram



Utilizing our dust collection technology, backed by proven results and our reputation as a designer and manufacturer of superior dust collection equipment, Amano offers you a comfortable environment.

Efficiency & High-Performance

Compact Design Avoids Waste

The compact design of VNA Series Dust Collectors requires very little installation area, and because inlet ports on either side of the units can be utilized, installation does not result in a large loss of valuable space.

Able To Catch Micron-Sized Particles

VNA units employ plate filters, giving them a wide filter area, while enabling them to collect even micron-sized particles with tremendous efficiency. Filters are one-piece units, allowing easy replacement.

Fig-efficient Filter Material

"Fine Fil" filters that efficiently collect minute particles, and anti-static filters that prevent the generation of static electricity are available as option.

Filter Cleaning Method

Filter cleaning is accomplished via manual shake. Automatic shake filter cleaning is also available as an option.

■ Limited Kst value and limited Pmax value

Model	Kst value ($\times 10^2$ kPa·m/s maximum)	Pmax value ($\times 10^2$ kPa maximum)
VN-30SD	400	11.5
VN-45SD	400	11.5
VN-60SD	250	11

Lightweight Plastic Dust Tray

Eases dust disposal.

Lengthy Maintenance-Free Operation

A turbo blower allows for extended maintenance-free operation. This maintenance-free operating capability is a big economical plus.

Easy Operation

The simple, durable design of VNA Series Dust Collectors allow easy, efficient operation.

Noise-Proof Design For Quiet Operation

In addition to their many efficient, economical features, VNA units' noise-proof design is a distinctive bonus. Operating noise level: 65 dB (A) (for VNA-15 units).

Collected Dust Prevented From Being Scattered

Equipped with a dust tray lifter to prevent collected dust from being scattered inside the unit. Lining the dust tray with a dust pack allows sanitary dust disposal.

For static prevention, do not use a dust pack.

Dust-Explosion Pressure Diffusion Type (VN-SD Models)

● Depending upon particle size, density, and other conditions, metal particles and the like are potentially explosive. Dust-explosion pressure diffusion type Dust Collectors are specifically designed to provide a high level of safety during collection of these potentially hazardous particles.

● Specially designed anti-explosion features such as the motor, aluminum fan, housing, and filter assembly with aluminum sheet earth are part of these unit's unique construction, designed to diminish the possibility of explosions by restricting their potential causes.

● VN-SD collectors' durable construction, check valves, explosion diffusion port, and other internal mechanisms were designed to allow the safe collection of potentially explosive particles.

● Consult with Amano to arrange a dust-explosion test to determine which equipment is best suited to your dust collecting needs.

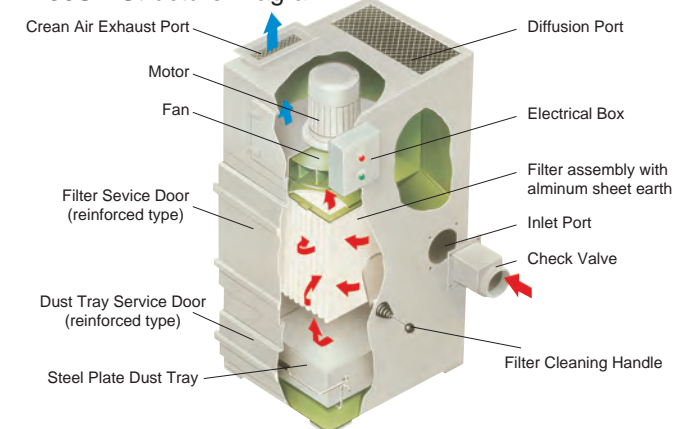


Examples of Potentially Explosive Dust Particles

Aluminum, Titanium, Iron, Resin, Epoxy, Sulfur, Powdered Milk, Coal Dust, Flour, Starch

Do not draw in the magnesium or magnesium alloy particles.

VN-30SD Structure Diagram

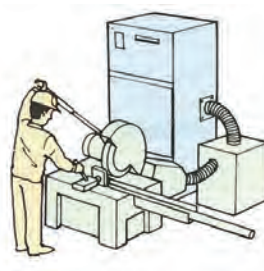


Are you bothered by scattering dust?

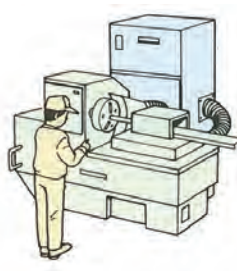
Consult with Amano to make these types of operations more comfortable.



Grinding/Polishing



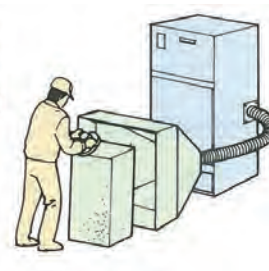
Cutting



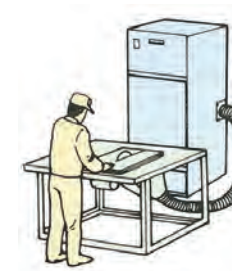
Machining



Mixing



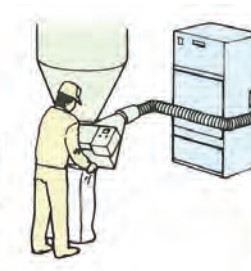
Stone Grinding



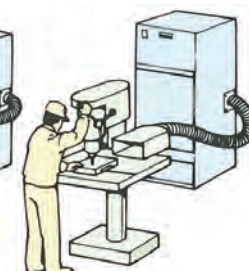
Sawing



Sanding



Bag Filing



Boring



Powder Loading