



Dust Control & Explosion Protection Solutions for Manufacturing

Dust Collectors
Industrial Vacuum Cleaners
Fume Extractors
Explosion Protection Systems



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- 100+** Countries & Areas' Presence
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ABOUT VILLO

Villo, Dust Collection & Explosion Protection Solutions

Established in 2007, Villo is a leading solution provider for industrial dust control and explosion protection system, serving for manufacturers of lithium-ion battery, 3D printing, photovoltaic etc.

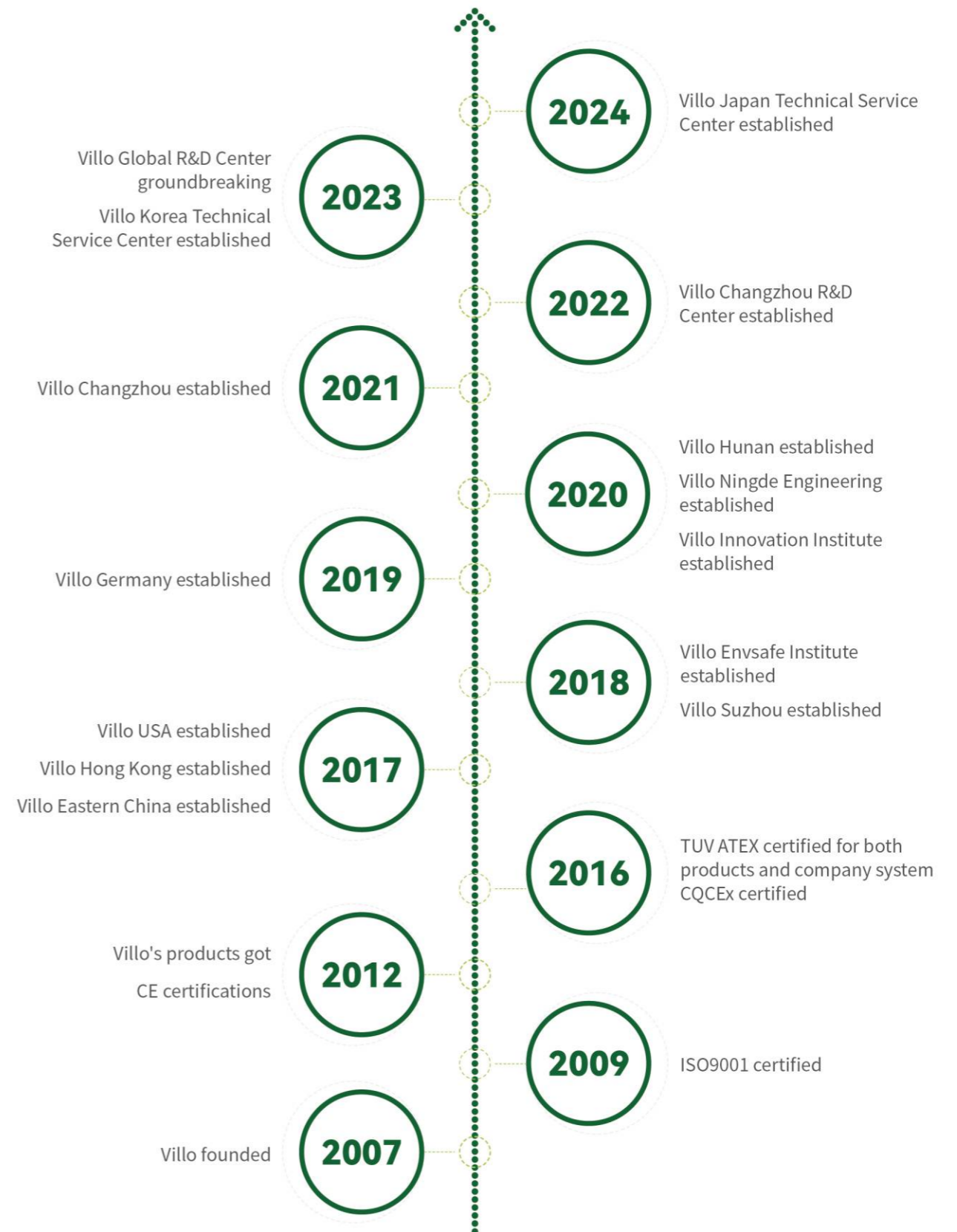
Headquartered in China's manufacturing hub — Dongguan city, Villo has two factories covering 100,000 square meters in South and East China, producing a wide breadth of product offerings including industrial dust collectors, vacuum cleaners and explosion protection devices.

Backed by its strong production capability, a professional R&D team and extensive experience of exporting more than 100,000 successful installations in the past years, Villo is capable to tailor-made ideal solutions to help you solve your dust, fume and mist collection challenges and thus produce dustless and safely.

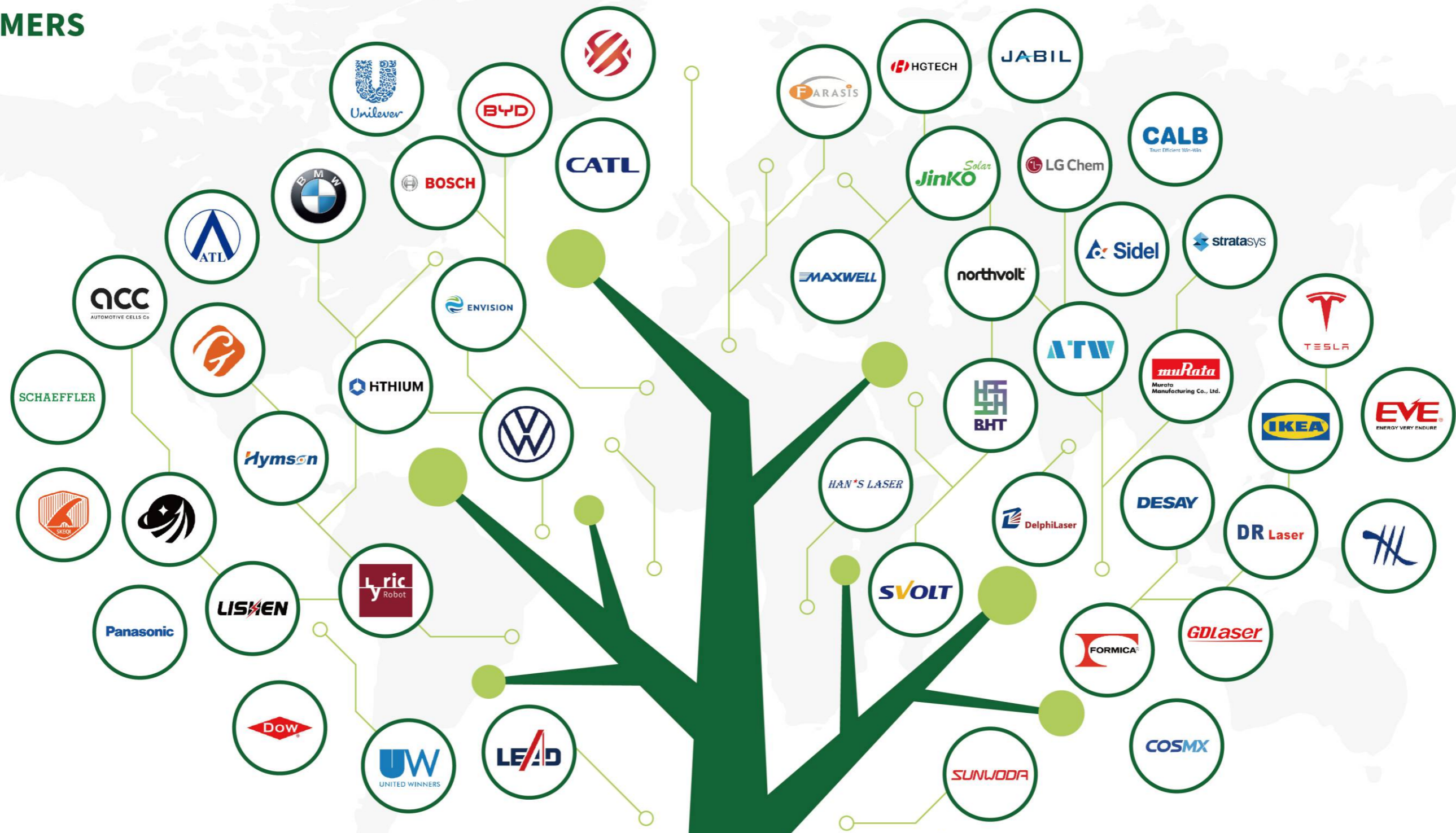
Certified internationally by ATEX, UL, CE and etc., Villo's products manage to help your production line meet local regulations of your area. Villo's branches in Euro, the U.S. and Asia are also ready to provide instant and on-site service to you.

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VILLO TIMELINE



CUSTOMERS



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Dust Collectors



Introduction

Villo provides wide range of cartridge type dust collectors that are efficient and cost effective. These dust collectors are engineered to remove a wide range of dust and airborne particles that can effect production environment.



VJ-H Series

Manual Cleaning
Dust Collector



• Product Description

VJ-H Series is a simple industrial dust collector with large air volume, stable and reliable mechanical structure, small footprint, and flexible movement.

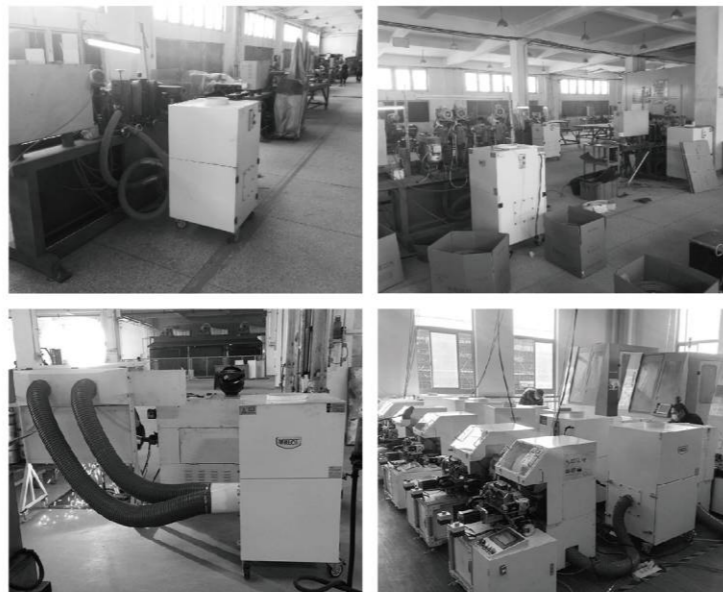
• Features

- Horizontal filter installation mechanism can reduce the height of machine, and can be very suitable for space limited working conditions. The material of filter cartridge can be water-oil resistant, polyester or other type depending upon the customer needs.
- Patented manual filter cleaning is used (Patent No. 201220489001.3). At the back side of the machine, there is a rotary handle to clean the accumulated dust on the filter. It is convenient and cost saving.
- To keep the machine running safely and conveniently, the machine is equipped with a simple type magnetic switch, which has the thermal overload protection function. Also, it can achieve remote control function according to customer's requirement.



• Applications

Lithium battery slitting machine, composite material cutting machine, CNC machine, PCB V-CUT machine, vertical sawing machine for wood or metal processing applications, etc.



• Optional Configurations

- > Multi tower light
- > Stainless steel version
- > Explosion proof version
- > Activated carbon filter
- > Converter
- > Enlarged capacity of dust collection bin
- > Additional H13/H14 filter



• Technical Parameters

Model	VJ-1.5H	VJ-2.2H	VJ-3.0H
Voltage (V / Hz)		380 / 50	
Power (kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0
Starting current (A)	25	40	50
Rated current (A)	3.2	4.4	6.0
Max air flow (m ³ /h) / (CFM)	1500 / 883	1900 / 1118	2300 / 1353
Air inlet Dia. (mm) / (in)	Ø 150 / 6		
Noise dB (A)	73±2	75±2	77±2
Filter area (m ²) / (sq.ft)	5.4 / 58		
Filter efficiency	>99%		
Filter cleaning method	Rotary vane dust vibration structure		
Capacity of the dust container(L) / (gal)	15 / 4.0		
Dimensions [LxWxH] (mm) / (in)	700*660*1250 / 26.7*26*49.2	700*660*1250 / 26.7*26*49.2	700*660*1320 / 26.7*26*52
Weight (kg) / (lb)	165 / 363	170 / 375	185 / 408

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJF Series

Pulse Jet Cleaning
Dust Collector



• Product Description

VJF series is an industrial dust collector with multi-motor power, large air volume, pulse jet filter cleaning, stability and reliability. It can meet the dust removal needs of multiple industries and wide range of processes.

• Features

- Compact design allows placement flexibility and saves floor space.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- Real-time monitoring of machine pressure changes can quickly detect whether the filter needs to be cleaned.



• Applications

A self-cleaning dust collector for continuous applications, where high collection efficiency is essential, such as grinding, sandblasting, mixing, packaging, vibrating screen, crushing, etc.



• Optional Configurations

- > Dust container
- > Stainless steel version
- > Explosion proof version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust concentration detector
- > Moderate pressure motor



• Technical Parameters

Model	VJF-1.5	VJF-2.2	VJF-3.0	VJF-4.0	VJF-5.5	VJF-7.5	VJF-11	VJF-15
Voltage (V / Hz)	380 / 50							
Power(kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20
Starting current (A)	25	40	50	56	65	95	120	150
Rated current (A)	3.2	4.4	6	7.7	10.5	14.1	20.5	28
Max air flow (m ³ /h) / (CFM)	1500 / 883	2200 / 1294	3000 / 1765	4000 / 2353	5300 / 3118	7100 / 4176	9000 / 5294	11000 / 6470
Filter area (m ²) / (sq.ft)	11 / 118.5	22 / 237	22 / 237	44 / 474	44 / 474	66 / 710	99 / 1066	99 / 1066
Filter efficiency	>99%							
Dust container capacity (L) / (gal)	30 / 7.9	50 / 13.2		60 / 15.9 (2pcs)		80 / 21.2(2pcs)	100 / 26.4(2pcs)	100 / 26.4(2pcs)
Noise dB (A)	73±2	75±2	76±2	76±2	78±2	79±2	80±2	81±2
Filter cleaning method	Pulse Jet							
Air inlet Dia. (mm) / (in)	Ø150 / 6		Ø200 / 8		Ø250 / 10		Ø300 / 12	Ø350 / 14 Ø400 / 16
Dimensions [LxWxH] (mm) / (in)	795*630*1730 / 31.3*24.8*68.1	995*725*1860 / 39.2*28.6*73.3		1060*925*1950 / 41.7*36.4*76.8	1060*925*2050 / 41.7*36.4*80.7	1450*955*2050 / 57.1*37.6*80.7	1450*1300*2180 / 57.1*51.2*85.9	
Weight (kg) / (lb)	180 / 397	260 / 574	280 / 618	430 / 948	450 / 992	600 / 1323	810 / 1786	830 / 1830

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFG Series

Medium High Pressure
Dust Collector



• Product Description

- > Moderate High Pressure
- > Pulse Jet Cleaning
- > Small Footprint
- > H14 Filtration Efficiency

• Features

- Compact design allows placement flexibility and saves floor space.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- Real-time monitoring of machine pressure changes can quickly detect whether the filter needs to be cleaned.



• Applications

A self-cleaning dust collector for continuous applications, where high collection efficiency is essential, such as grinding, sandblasting, mixing, packaging, vibrating screen, crushing, Slitting, etc.



• Optional Configurations

- > Multi tower light
- > Stainless steel version
- > Explosion proof version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust concentration detector
- > Large air flow motor



• Technical Parameters

Model	VJFG-1.5	VJFG-2.2	VJFG-3.0	VJFG-4.0	VJFG-5.5	VJFG-7.5	VJFG-11	VJFG-15
Voltage (V / Hz)	380/50							
Power (kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20
Starting current (A)	25	40	50	60	65	95	120	150
Rated current (A)	3.2	4.4	6	7.7	10.5	14.1	20.5	28
Max air flow (m ³ /h) / (CFM)	1231 / 725	1550 / 912	1875 / 1104	2416 / 1422	3656 / 2152	4116 / 2423	4500 / 2649	5400 / 3178
Filter area (m ²) / (sq.ft)	15 / 161			30 / 323			44 / 474	
Filter efficiency	>99%							
Dust container capacity (L) / (gal)	60 / 15.9			108 / 28.5			115 / 30.4	138 / 36.5
Noise dB(A)	75±2	77±2	78±2	80±2	82±2	83±2	83±2	85±2
Filter cleaning method	Pulse jet							
Dia. air inlet (mm) / (in)	Ø 150 / 6			Ø 200 / 8			Ø 250 / 10	Ø 250 / 10
Dimension [LxWxH] (mm) / (in)	900*857*1920				1120*1085*1934		1120*1138*2061	1200*1240*2174

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFB Series

Explosion-Proof Industrial Dust Collector



• Product Description

VJFB series industrial dust collector has the characteristics of explosion-proof, large air volume, pulse jet cleaning, stable and reliable structure.

• Features

- Compact design allows placement flexibility and saves floor space.
- Safety explosion venting membrane.
- Explosion proof motor and electrical control cabinet guarantees the safe running of the machine.
- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- Vertical filter cartridge installation mechanism.
- Differential pressure gauge



• Applications

Specialized for collecting wide range of inflammable and explosive dust. It is suitable for powder metallurgy, aluminum powder grinding, grain processing, food production, high polymer plastics industry, synthetic dyes and coatings, pesticide and pharmaceutical manufacturing, plant fiber textile technology and so on.



• Optional Configurations

- › Flameless quench device
- › Explosion isolation valve
- › Dust container
- › Stainless steel version
- › Activated carbon filter
- › Converter
- › Additional H13/H14 filter
- › Air speed sensor
- › Temperature sensor
- › Dust concentration detector



• Technical Parameters

Model	VJFB-1.5	VJFB-2.2	VJFB-3.0	VJFB-4.0	VJFB-5.5	VJFB-7.5	VJFB-11	VJFB-15
Voltage (V / Hz)	380 / 50							
Power(kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20
Starting current (A)	25	40	50	56	65	95	120	150
Rated current (A)	3.2	4.4	6	7.7	10.5	14.1	20.5	28
Max air flow (m ³ /h) / (CFM)	1500 / 883	2200 / 1294	3000 / 1765	4000 / 2353	5300 / 3118	7100 / 4176	9000 / 5294	11000 / 6470
Filter area (m ²) / (sq.ft)	11 / 118.5	22 / 237	22 / 237	44 / 474	44 / 474	66 / 710	99 / 1066	99 / 1066
Filter efficiency	>99%							
Dust container capacity (L) / (gal)	30 / 7.9	50 / 13.2		60 / 15.9 (2pcs)		80 / 21.2 (2pcs)	100 / 26.4 (2pcs)	100 / 26.4 (2pcs)
Noise dB (A)	73±2	75±2	76±2	76±2	78±2	79±2	80±2	81±2
Filter cleaning method	Pulse jet							
Air inlet Dia. (mm) / (in)	Ø150 / 6		Ø200 / 8		Ø250 / 10		Ø300 / 12	Ø350 / 14 Ø400 / 16
Dimensions [LxWxH] (mm) / (in)	795*680*1730 / 31.3*26.8*68.1	995*775*1860 / 39.2*30.5*73.3		1060*975*1950 / 41.7*38.4*76.8	1060*975*2050 / 41.7*38.4*80.7	1450*1000*2050 / 57.1*39.4*80.7	1450*1350*2180 / 57.1*53.1*85.9	1450*1350*2180 / 57.1*53.1*85.9
Weight (kg) / (lb)	200 / 441	280 / 618	300 / 662	450 / 992	470 / 1036	620 / 1367	830 / 1830	850 / 1874

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFX Series

Auto Discharge Dust Collector



• Product Description

VJFX series industrial dust collector is equipped with automatic discharge system. This dust collector have features of large air volume, self-cleaning function, automatic discharge, stable and small footprint.

• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- PTFE coated filter cartridge
The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Rotary discharge valve
Equipped with rotary discharge valve for automatic dust unloading.



• Applications

Suitable for working condition with large amount of dust such as powder feeding, mixing, grinding or cutting job, wood working and so on.



• Optional Configurations

- › Pressure indication light
- › Stainless steel version
- › Explosion proof version
- › Activated carbon filter
- › Converter
- › Additional H13/H14 filter
- › Customizable collection box
- › Tank level alarm
- › Gate valve
- › Air speed sensor
- › Temperature sensor
- › Dust concentration detector



• Technical Parameters

Model	VJFX-1.5	VJFX-2.2	VJFX-3.0	VJFX-4.0	VJFX-5.5	VJFX-7.5	VJFX-11	VJFX-15
Voltage (V / Hz)	380 / 50							
Power (kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20
Starting current (A)	25	40	50	56	65	95	120	150
Rated current (A)	3.2	4.4	6.0	7.7	10.5	14.1	20.5	28
Max air flow (m ³ /h) / (CFM)	1500 / 883	2200 / 1294	3000 / 1765	4000 / 2353	5300 / 3118	7100 / 4176	9000 / 5294	11000/6470
Filter area (m ²) / (sq.ft)	11 / 118.5	22 / 237	22 / 237	44 / 474	44 / 474	66 / 710	99 / 1066	99 / 1066
Filter efficiency	>99%							
Dust container capacity (L) / (gal)	According to customers' demand							
Noise dB (A)	73±2	75±2	76±2	76±2	78±2	79±2	80±2	81±2
Filter cleaning method	Pulse jet + Automatic discharge							
Ability of discharge (L/min) / (gal/min)	48 / 12.7	96 / 25.4	96 / 25.4	96 / 25.4	96 / 25.4	240 / 63.4	240 / 63.4	240 / 63.4
Air inlet Dia. (mm) / (in)	Ø150 / 6		Ø200 / 8		Ø250 / 10		Ø300 / 12	
Dimensions [LxWxH] (mm) / (in)	1100*800*2750 / 43.3*31.5*108.3	1270*800*2900 / 50*31.5*114.2	1270*800*2900 / 50*31.5*114.2	1300*1000*2950 / 51.2*39.4*116.1	1400*1100*3300 / 55.1*43.3*129.9	1800*1000*3400 / 70.9*39.4*133.9	1850*1500*3800 / 72.8*59.1*149.6	1850*1500*3800 / 72.8*59.1*149.6
Weight (kg) / (lb)	300 / 661	350 / 772	400 / 882	560 / 1235	580 / 1279	760 / 1676	1030 / 2271	1050 / 2315

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJCF Series

High Pressure Central Vacuum System



• Product Description

VJCF Series is an industrial dust collector with high negative pressure, pulse jet cleaning, stable structure and small footprint.

• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- PTFE coated filter cartridge
The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Vertical installation would protect the filter from dust accumulation, which would ultimately increase the filter life, reduce gasket leaks, and result in better pulse cleaning.
- Spoiler installed at the air inlet let the dust particles to fall directly in to the dust collector. This avoids to install an additional cyclone separator.



• Applications

Ideal for PCB processing industry with processes such as, multi-axis drilling, grinding board, chamfering, cutting, central cleaning for workshop, etc.



• Optional Configurations

- › Multi tower light
- › Stainless steel version
- › Explosion proof version
- › Activated carbon filter
- › Converter
- › Enlarged capacity of dust bin
- › Central control system with variable frequency and constant pressure
- › Additional H13/H14 filter
- › Air speed sensor
- › Temperature sensor
- › Dust concentration detector



• Technical Parameters

Model	VJCF-75	VJCF-110	VJCF-125	VJCF-150	VJCF-185	VJCF-200	VJCF-250
Voltage(V / Hz)	380 / 50						
Power (kW) / (HP)	7.5 / 10.0	11.0 / 15.0	12.5 / 16.8	15 / 20	18.5 / 25	20 / 27	25 / 33.5
Rated current (A)	16.7	28	30	35	37	40	52
Max air flow (m ³ /h) / (CFM)	700 / 412	900 / 530	1050 / 618	1150 / 677	1370 / 806	1940 / 1141	1940 / 1141
Max air pressure (mmH ₂ O) / (kPa)	2700 / 26.5	2800 / 27.5	2800 / 27.5	3300 / 32.3	3100 / 30.5	2200 / 21.6	3100 / 30.5
Filter area (m ²) / (sq.ft)	22 / 237					44/474	
Filter efficiency	>99%						
Filter cleaning method	Pulse jet						
Dust container capacity (L) / (gal)	50 / 13.2				80 / 21		
Noise dB (A)	72±2	74±2	74±2	74±2	77±2	77±2	80±2
Form of emptying	Traveler curtain type holder-on container						
Air inlet Dia. (mm) / (in)	Ø75 / 3	Ø100 / 4	Ø100 / 4	Ø100 / 4	Ø150 / 6	Ø150 / 6	Ø150 / 6
Dimensions[LxWxH] (mm) / (in)	1350*900*1750 / 53*35.4*68.9				1700*900*1850 / 67.0*35.5*72.9		
Weight (kg) / (lb)	430 / 948	470 / 1036	500 / 1102	530 / 1169	600 / 1323	625 / 1378	650 / 1433

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VX Series

Cabinet Type High Pressure Dust Collector

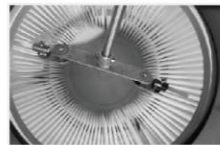


• Product Description

VX series is an industrial dust collector with high negative pressure, stable design, small footprint and flexible movement.

• Features

- Equipped with manual filter cleaning device for easy filter cleaning. Can be changed to Self-cleaning type upon the customer's requirement.
- Maintenance free powerful turbine motor which can work continuously for 24 hours.



• Applications

A manual cleaning dust collector with high negative pressure for continuous working applications such as metal working (grinding, cutting, drilling, sandblasting); PCB machining; battery manufacturing, etc.



• Optional Configurations

- › Self-cleaning version
- › Stainless steel version
- › Enlarged collection bin
- › Explosion proof version
- › Converter
- › Multi tower light
- › Additional H13/H14 filter
- › Air speed sensor
- › Temperature sensor
- › Dust concentration detector
- › Differential pressure alarm



• Technical Parameters

Model	VX-150	VX-220	VX-300	VX-400	VX-550	VX-750
	VX-150F	VX-220F	VX-300F	VX-400F	VX-550F	VX-750F
Voltage (V / Hz)	380 / 50					
Starting current (A)	25	30	40	60	85	100
Rated current (A)	4.3	5.6	7.2	9	12.9	16.7
Power (kW) / (HP)	1.6 / 2.15	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10.0
Max air flow (m ³ /h) / (CFM)	188/110	245/144	285/168	385/226	432/254	600/353
Max vacuum (mmH ₂ O) / (kPa)	1500 / 14.7	1600 / 15.7	1800 / 17.7	2000 / 19.6	2000 / 19.6	2000 / 19.6
Noise dB (A)	75±2	75±2	77±2	77±2	78±2	78±2
Air inlet Dia. (mm) / (in)	Ø 50/2					
Filter efficiency	>99%					
VX series						
Filter area (m ²) / (sq.ft)	1.4 / 15.0		3.0 / 32.3			
Capacity of collection barrel (L) / (gal)	10 / 2.6		12 / 3.2		15 / 4.0	
Dimensions [LxWxH] (mm) / (in)	620*540*1040 / 24.4*21.3*40.9		670*640*1250 / 26.4*25.2*49.2		780*680*1355 / 30.7*26.8*53.4	
VX-F series						
Filter area (m ²) / (sq.ft)	2 / 21.5		5.3 / 57			
Capacity of collection barrel (L) / (gal)	10 / 2.6		12 / 3.2		15 / 4.0	
Dimensions [LxWxH] (mm) / (in)	670*540*1230 / 26.4*21.3*48.4		680*640*1410 / 26.8*25.2*55.5		760*680*1540 / 29.9*26.8*60.6	

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VN Series

Separator Built-in
Dust Collector



• Product Description

VN series is an industrial dust collector focusing on the laser cutting industry. It has the characteristics of large air volume, pulse jet cleaning, stable and reliable design.

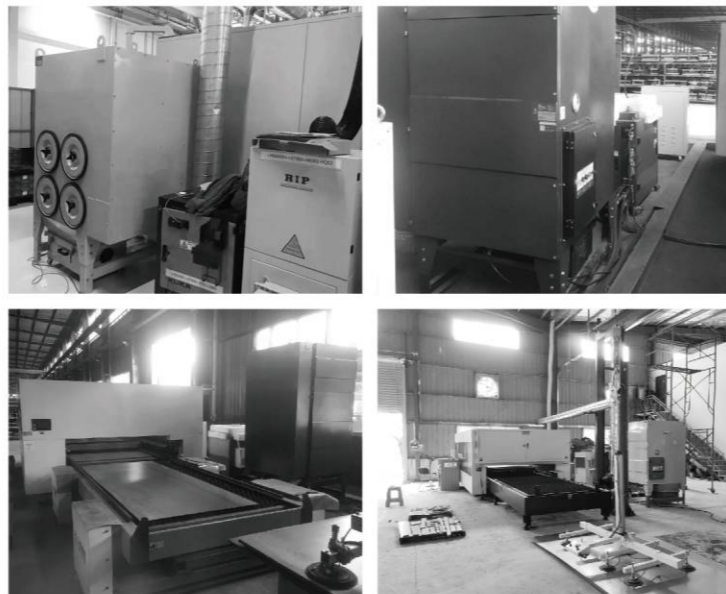
• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- PTFE coated filter cartridge
The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Easy installation of horizontal type filter, can reduce the time to replace the filter.
- Spoiler installed at the air inlet let the dust particles to fall directly in to the dust container. This avoids to install an additional cyclone separator.



• Applications

An effective solution for machine processes such as sheet metal laser cutting, grinding, sandblasting and other operations.



• Optional Configurations

- > Multi tower light
- > Stainless steel version
- > Explosion proof version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust concentration detector
- > Customizable collection box
- > Tank level alarm



• Technical Parameters

Model	VN-4500	VN-6500	VN-8500
Voltage (V / Hz)		380 / 50	
Power (kW) / (HP)	5.5 / 7.5	7.5 / 10	11 / 15
Starting current (A)	90	110	130
Rated current (A)	10.5	14.1	20.5
Max air flow (m ³ /h) / (CFM)	4500 / 2650	6500 / 3825	8500 / 5000
Filter area (m ²) / (sq.ft)	76 / 818	114 / 1226	114 / 1226
Dia. air inlet (mm) / (in)	Ø 250 / 10	Ø 300 / 12	Ø 300 / 12
Noise dB (A)	75±2	76±2	77±2
Filter efficiency		>99%	
Filter cleaning method		Pulse jet	
Dimensions [LxWxH] (mm) / (in)	1400*1250*2290 / 55.1*49.2*90.2	1600*1500*3185 / 63.0*59.1*125.4	

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFCB-W Series

High Pressure Explosion-Proof Dust Collector



• Product Description

- > Explosion-Proof
- > High Negative Pressure Motor
- > Pulse Jet Cleaning
- > H14 Filtration Efficiency

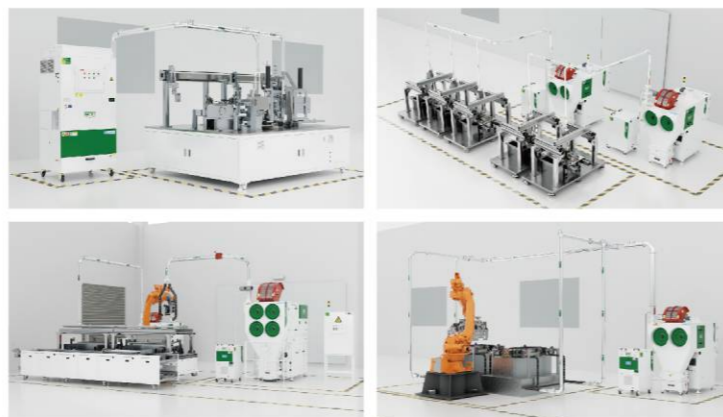
• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Safety explosion venting membrane: to absorb the explosion wave in case of accident.
- Explosion proof motor and electrical control box: guarantees the safe running of the machine. All of the electrical components are "Schneider" brand.



• Applications

- > AL Case Welding
- > Tab Ultrasonic Welding



• Optional Configurations

- > Flameless quench device
- > Explosion isolation valve
- > Multi tower light
- > Stainless steel version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust concentration detector



• Technical Parameters

Model	VJFCB-5.5W	VJFCB-7.5W	VJFCB-11W	VJFCB-15W	VJFCB-22W
Voltage (V / Hz)	380 / 50				
Power(kW) / (HP)	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20	22 / 30
Max air flow (m ³ /h) / (CFM)	432 / 254	600 / 353	900 / 529	1100 / 647	1940 / 1141
Max air pressure (mmH ₂ O) / (kPa)	1900 / 18.6	2000 / 19.6	2000/19.6	2000/19.6	2200 / 21.6
Filter efficiency	>99%				
Filter area (m ²) / (sq.ft)	22 / 236.7				
Filter cleaning method	Pulse jet				
Dia. air inlet (mm) / (in)	Ø 75 / 3	Ø 75 / 3	Ø 100 / 4	Ø 100 / 4	Ø 150 / 6
Dimensions [LxWxH] (mm) / (in)	1850*1130*2025 / 72.8*44.5*79.7	1850*1130*2025 / 72.8*44.5*79.7	2000*1120*2055 / 78.7*44.1*80.9	2125*1180*2075 / 83.7*46.5*81.7	2180*1000*2200 / 85.8*39.4*86.6

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFGB-W Series

Medium High Pressure
Explosion-Proof Dust Collector



• Product Description

- > Explosion-Proof
- > Moderate Negative Pressure Motor
- > Pulse Jet Cleaning
- > H14 Filtration Efficiency

• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Spoiler installed at the air inlet let the dust particles to fall directly into the dust collector. This avoids to install an additional cyclone separator.
- Safety explosion venting membrane: to absorb the explosion shock wave in case of accident.
- Explosion proof motor and electrical control box: guarantees the safe running of the machine. All of the electrical components are "Schneider" brand.



• Applications

- > Calendering & Slitting
- > Laser Notching
- > Stacking
- > Winding
- > Tab Welding
- > AL Case Welding



• Optional Configurations

- > Flameless quench device
- > Explosion isolation valve
- > Multi tower light
- > Stainless steel version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust Concentration Detector



• Technical Parameters

Model	VJFGB-5.5W	VJFGB-7.5W	VJFGB-11W	VJFGB-15W	VJFGB-22W	VJFGB-30W
Voltage (V / Hz)	380 / 50					
Power(kW) / (HP)	5.5 / 7.5	7.5 / 10	11/15	15 / 20	22 / 30	30/ 40
Max air flow (m ³ /h) / (CFM)	3656 / 2152	4116 / 2423	4500 / 2649	5400 / 3178	6500 / 3824	8000 / 4706
Filter efficiency	>99%					
Filter area (m ²) / (sq.ft)	44 / 473	44 / 473	44 / 473	44 / 473	88 / 948	176 / 1893
Filter cleaning method	Pulse jet					
Dia. air inlet (mm) / (in)	Ø 200 / 8	Ø 200 / 8	Ø 250 / 10	Ø 250 / 10	Ø 250 / 10	Ø273 / 10.7
Dimensions【LxWxH】(mm) / (in)	2450*1260*2700 / 96.5*49.6*106.3	2450*1260*2700 / 96.5*49.6*106.3	2350*1400*2250 / 92.5*55.1*88.6	2450*1700*2300 / 96.5*66.9*90.6	2550*1700*2900 / 100.4*66.9*114.2	2550*1650*3680 / 100.4*65.0*144.9

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFCB Series

High Negative Pressure Explosion Proof Dust Collector



• Product Description

VJFCB Series is an explosion-proof industrial dust collector with high negative pressure, pulse jet cleaning, stable and small footprint. It meets the explosion-proof requirements for the flammable and explosive dust environment. Vertical installation would protect the filter from dust accumulation, which would ultimately increase the filter life, reduce gasket leaks, and result in better pulse cleaning.

• Applications

Effectively solve the flammable and explosive dust generated during laser welding, laser marking, and ultrasonic welding. For example, dust removal for aluminum shell welding, module welding, and tab ultrasonic welding in the production of lithium batteries.



• Technical Parameters

Model	VJFCB-1.5	VJFCB-2.2	VJFCB -3.0	VJFCB -4.0	VJFCB -5.5	VJFCB -7.5
Voltage (V / Hz)	380 / 50					
Power(kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10
Starting current (A)	25	30	40	60	85	100
Rated current (A)	4.3	5.6	7.2	9	12.9	16.7
Max air flow (m ³ /h) / (CFM)	188 / 110	245 / 144	285 / 168	385 / 226	432 / 254	600 / 353
Max air pressure (mmH ₂ O) / (kPa)	1700 / 16.7	1800 / 17.7	1800 / 17.7	1800 / 17.7	1900 / 18.6	2000 / 19.6
Filter efficiency	>99%					
Filter area (m ²) / (sq.ft)	7.7 / 82.8			10.4 / 112		
Filter cleaning method	Pulse jet					
Air inlet Dia. (mm) / (in)	Ø 50 / 2	Ø 50 / 2	Ø 50 / 2	Ø 50 / 2	Ø 75 / 3	Ø 75 / 3
Dimensions【LxWxH】(mm) / (in)	850*780*1789 / 33.5*30.7*70.5				1020*830*1945 / 40.2*33*76.6	

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VJFGB Series

Medium High Pressure Explosion Proof Dust Collector



• Product Description

VJFGB Series is an explosion-proof industrial dust collector with moderate high negative pressure, pulse jet cleaning, stable structure and small footprint. It meets the explosion-proof requirements in the environment with inflammable and explosive dust. Vertical installation would protect the filter from dust accumulation, which would ultimately increase the filter life, reduce gasket leaks, and result in better pulse cleaning.

• Applications

It is suitable for industries that are prone to flammable and explosive dust, such as food processing, metal processing, and lithium battery production processes. Such as food feeding mixing and grinding, metal cutting and grinding, lithium battery roll pressing, slitting, laser die cutting and other processes for dust removal.



• Technical Parameters

Model	VJFGB-1.5	VJFGB-2.2	VJFGB-3.0	VJFGB-4.0	VJFGB-5.5	VJFGB-7.5
Voltage (V / Hz)	380 / 50					
Power(kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10
Starting current (A)	25	40	50	60	65	95
Rated current (A)	3.2	4.4	6.0	7.7	10.5	14.1
Max air flow (m ³ /h) / (CFM)	1231 / 725	1550 / 912	1875 / 1104	2416 / 1422	3656 / 2152	4116 / 2423
Filter efficiency	>99%					
Filter area (m ²) / (sq.ft)	15 / 161			30 / 323		
Filter cleaning method	Pulse jet					
Air inlet Dia. (mm) / (in)	Ø 150 / 6			Ø 200 / 8		
Dimensions【LxWxH】(mm) / (in)	900*857*1920/35.4*33.7*75.6				1120*1085*1934 / 44.1*42.7*76.1	

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VFO Series

Dust Collection System



• Product Description

VFO Series is a central dust collection system. It has the characteristics of large air volume, stable structure and convenient cartridge installation and ejection mechanism. It is suitable to deal with the production and processing of a large amount of dust.

• Features

- Modular combination structure
Only requires a small changes to the original equipment and piping systems, modular dust collector unit can achieve rapid expansion to increase productivity and expand production scale, reduce expansion cost.
- Easy installation & ejection of declined insertion type filter, can reduce the time to replace the filter.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.



• Applications

Suitable for wood working, grinding, cutting, feeding and other applications with a large amount of dust in other multi-site centralized dust conditions.



• Optional Configurations

- › Multi tower light
- › Stainless steel version
- › Explosion proof version
- › Activated carbon filter
- › Converter
- › Additional H13/H14 filter
- › Air speed sensor
- › Temperature sensor
- › Dust concentration detector
- › Customizable collection box
- › Tank level alarm
- › Gate valve
- › Central control system with variable frequency and constant pressure



• Technical Parameters

Model	VFO 3-12	VFO 3-24	VFO 3-36	VFO 3-48	VFO 3-60	VFO 3-72
Voltage (V / Hz)	380 / 50					
Air flow (m ³ /h) / (CFM)	9000~15000 / 5300~8800	18000~30000 / 10600~17700	27000~45000 / 15900~26500	36000~60000 / 21200~35300	45000~75000 / 26500~44100	54000~90000 / 32000~53000
Power	Calculate the total pressure / static pressure according to the total resistance of the system, and then select the appropriate fan power					
Filter area (m ²) / (sq.ft)	144 / 1550	288 / 3100	432 / 4650	576 / 6200	720 / 7750	864 / 9300
Filter efficiency	>99%					
Capacity of the dust container (L) / (gal)	100 / 26.4 (1pcs)	200 / 52.8 (2pcs)	300 / 79.2 (3pcs)	400 / 105.6 (4pcs)	500 / 132 (5pcs)	600 / 158.4 (6pcs)
Noise dB (A)	82±2	83±2	85±2	85±2	88±2	90±2
Filter cleaning method	pulse jet cleaning+holder on dust collecting box					
Dimensions (Excluding the Blower) 【LxWxH】 (mm) / (in)	1120*1910*3100 / 44.1*75.2*122.0	2240*1910*3640 / 88.2*75.2*143.3	3360*1910*3640 / 132.3*75.2*143.3	4480*1910*3640 / 176.4*75.2*143.3	5600*1910*3640 / 220.5*75.2*143.3	6720*1910*3640 / 264.6*75.2*143.3
Weight (kg) / (lb)	400 / 882	800 / 1764	1200 / 2646	1600 / 3528	2000 / 4410	2400 / 5290
※ The air flow and Negative pressure can be calculated according to the actual condition, and then choose the bigger or more suitable power machine.						

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VH-Z Series

Large Air Type Central Dust Collector



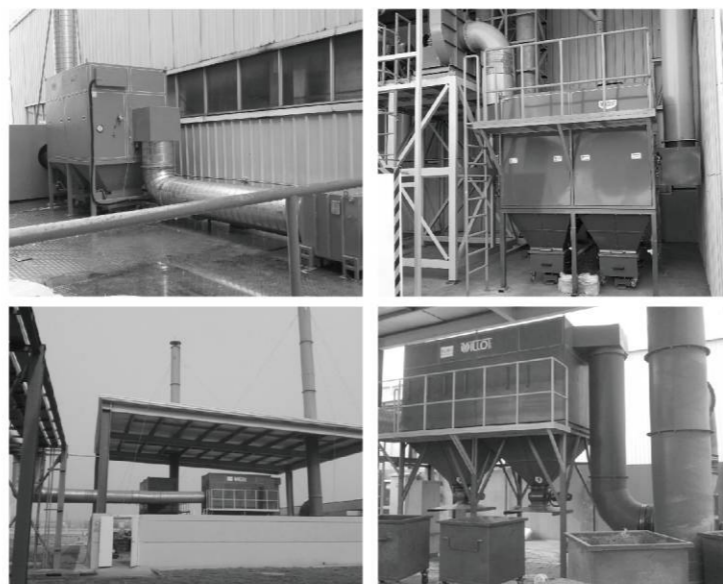
• Features

- Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the working requirements.
- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- Vertical installation would protect the filter from dust accumulation, which would ultimately increase the filter life, reduce gasket leaks, and result in better pulse cleaning.



• Applications

Suitable for capacitance spray operations, tin packaging operations, CCL operations, spraying production line operations, ceramic raw embryo processing, polishing workshop, welding smoke purification and other multi-site centralized dust conditions.



• Optional Configurations

- > Multi tower light
- > Stainless steel version
- > Explosion proof version
- > Activated carbon filter
- > Converter
- > Additional H13/H14 filter
- > Air speed sensor
- > Temperature sensor
- > Dust concentration detector
- > Customizable collection box
- > Tank level alarm
- > Gate valve
- > Central control system with variable frequency and constant pressure



• Technical Parameters

Model	VH-Z-8500	VH-Z-16000	VH-Z-19000	VH-Z-21000	VH-Z-23000	VH-Z-30000
Voltage(V / Hz)	380 / 50					
Air flow (m ³ /h) / (CFM)	5710~10600 / 3360~6240	10600~21200 / 6240~12470	13200~26300 / 7765~15470	17500~22450 / 10300~13200	19650~25250 / 11560~14850	28100~36450 / 16530~21450
Power(kW) / (HP)	Calculate the total pressure/static pressure according to the total resistance of the system, and then select the appropriate fan power					
Filter area (m ²) / (sq.ft)	84 / 904	170 / 1830	204 / 2196	204 / 2196	306 / 3294	360 / 3875
Filter efficiency	>99%					
Capacity of the dust container(L) / (gal)	70 / 18.5	50*2 / 13.2*2	50*2 / 13.2*2	50*2 / 13.2*2	50*2 / 13.2*2	50*3 / 13.2*2
Noise dB (A)	82±2	83±2	85±2	85±2	88±2	90±2
Filter cleaning method	pulse jet cleaning+holder on dust collecting box					
Air inlet Dia. (mm) / (in)	Ø350 / 14	Ø500 / 20	Ø550 / 22	Ø550 / 22	Ø600 / 24	Ø650 / 26
Dimensions (Excluding the Blower) [LxWxH] (mm) / (in)	1450*1134*1963 / 57.1*44.6*77.2	1840*1350*2075 / 72.4*53.1*81.7	2000*1350*2075 / 78.7*53.1*81.7	2000*1350*2075 / 78.7*53.1*81.7	2500*1500*2200 / 98.4*59.1*86.7	2500*1500*2400 / 98.4*59.1*94.5

The air flow and Negative pressure is adjustable according to the actual condition, and then choose the bigger or more suitable power machine.

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



Industrial Vacuum Cleaners



Introduction

Villo's series of industrial vacuum cleaners cover the needs and applications for broad range of industries. They are powerful, compact and capable of vacuuming diverse range of substances and dust media for continuous operations.

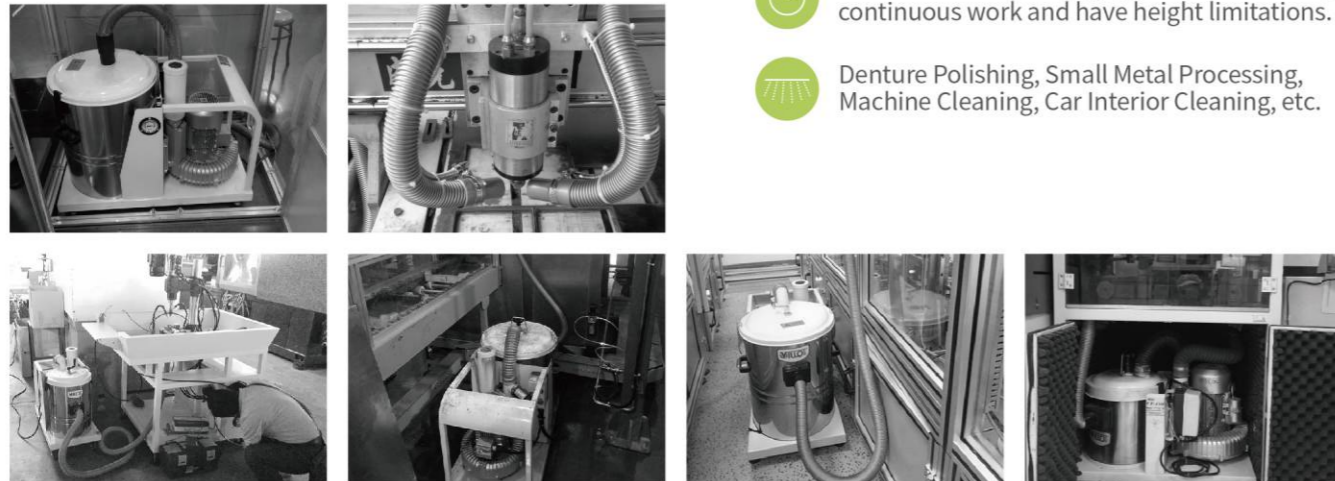


VTS Series




Basic Compact & Economical Vacuum Cleaner

• Product Description

VTS series are Single Phase or Three Phase Vacuum Cleaners with high pressure; very ideal for small space, high precision and continuous applications.



• Applications

-  Suitable for single phase or three phase working conditions.
-  Suitable for the working applications that require continuous work and have height limitations.
-  Denture Polishing, Small Metal Processing, Machine Cleaning, Car Interior Cleaning, etc.

• Technical Parameters

Model	VTS-75	VTS-150	VTS-220	VTS-300	VTS-400
Voltage (V / Hz)	380 / 50				
Power (kW) / (HP)	0.85 / 1.15	1.6 / 2.15	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5
Starting current (A)	13	25	30	40	60
Rated current (A)	2.3	4.3	5.6	7.2	9
Max air flow (m ³ /h) / (CFM)	145 / 85	180 / 106	245 / 144	285 / 168	385 / 226
Max vacuum (mmH ₂ O) / (kPa)	1600 / 15.7	2000 / 19.6	2000 / 19.6	2000 / 19.6	2100/20.6
Noise dB (A)	70±2	72±2	74±2	74±2	75±2
Dia. air inlet (mm) / (in)	Ø 40 / 1.6				
Filter area(m ²)/ (sq.ft)	1.1 / 11.8				
Filter efficiency	>99%				
Capacity of collection barrel (L) / (gal)	35 / 9.25		70 / 18.50		
Dimensions【LxWxH】 (mm) / (in)	710*410*750 / 28*16.1*29.5		860*470*790 / 33.9*18.5*31.1		
Weight (kg) / (lb)	45 / 99		57 / 126	65 / 143	72 / 158

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Compact and simple
- Customizable voltage
Power less than or equal to 2.2 kilowatts can be made into single phase.
- Equipped with filter cleaning device for easy filter cleaning.
- Maintenance free powerful turbine motor can work continuously for 24 hours.
- Pressure gauge to detect filter clogging.



• Optional Configurations

- > Filter bag
- > Swivel Casters with Brakes
- > Vertical Structure for Better Mobility — VTF Series
- > Stainless Steel Version — VTDF Series
- > Remote Control

VS Series




Wet & Dry Vacuum Cleaner

• Product Description

VS series are Three Phase Industrial Vacuum Cleaners with high pressure; very ideal for high precision Wet & Dry general cleaning applications.



• Applications

-  Suitable for continuous working conditions.
-  Suitable for wet and dry dust vacuum cleaning.
-  General cleaning, etc.

• Technical Parameters

Model	VS-22J	VS-40J
Voltage (V / Hz)	380 / 50	
Power (kW) / (HP)	2.2 / 3.0	4.0 / 5.5
Starting current (A)	30	60
Rated current (A)	5.6	9
Max air flow (m ³ /h) / (CFM)	205 / 120	355 / 210
Max vacuum (mmH ₂ O) / (kPa)	1630 / 16	2000 / 19.6
Noise dB (A)	74±2	75±2
Dia. air inlet (mm) / (in)	Ø 40 / 1.6	
Filter area (m ²) / (sq.ft)	0.3 / 3.2	0.3 / 3.2
Filter efficiency	>99%	
Capacity of collection barrel (L) / (gal)	80 / 21.1	
Dimensions [LxWxH] (mm) / (in)	1200*570*1150 / 47.3*22.5*45.3	
Weight (kg) / (lb)	70 / 155	80 / 176

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



Features

- Compact and mobile structure.
- Two filter bags option to meet wet or dry applications.
- Customizable voltage
Power less than or equal to 2.2 kilowatts can be made into single phase
- Discharge hose for liquids.
- Pressure gauge to detect filter clogging.



• Optional Configurations

- > Stainless steel version
- > Filter cartridge type
- > Remote Control

V3 Series




Single-phase Compact & Economical Vacuum Cleaner

• Product Description

V3 series are Single Phase Industrial Vacuum Cleaners with high pressure and adjustable air flow; very ideal for high precision general cleaning applications.



• Applications

-  Suitable for single phase working conditions.
-  Suitable for the working applications that require mobility and adjustable air flow.
-  General floor cleaning, etc.



• Technical Parameters

Model	V3J	V3JS
Voltage (V / Hz)	220 / 50	
Power (kW) / (HP)	3.6 / 4.8 (3 pcs, 1.2kW / pcs)	
Starting current (A)	40	
Rated current (A)	17	
Max air flow (m ³ /h)/(CFM)	353 / 208	425 / 250
Max vacuum (mmH ₂ O) / (kPa)	2450 / 24	
Noise dB (A)	87±2	
Air inlet Dia. (mm) / (in)	Ø 50 / 2	
Filter area (m ²) / (sq.ft)	1.5 / 16.1	3.0 / 32.3
Filter efficiency	>99%	
Capacity of collection barrel (L) / (gal)	65 / 17.2	
Dimensions [LxWxH] (mm) / (in)	780*670*1460 / 30.7*26.4*57.5	780*670*1460 / 30.7*26.4*57.5
Weight (kg) / (lb)	76 / 167.5	85 / 187.4

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Compact and mobile structure.
- Two filtration options to meet the requirements of different filtration accuracy. (V3J—filter bag type, V3JS—filter cartridge type)
- Equipped with filter cleaning device for easy filter cleaning.
- Three powerful motors with independent controller.
- Easy dust container cleaning.



• Optional Configurations

- Turbine motor version: VKD
- Economical Version: V3JY Series
- Stainless steel version
- Remote Control

VA Series


Three-phase Compact Industrial Vacuum Cleaner

• Product Description

VA Series are three phase Vacuum Cleaners with high pressure; very ideal for sucking/absorbing large mixed particles or chips in continuous applications.



• Applications

-  Suitable for three phase working conditions.
-  Ideal solution for continuous working, heavy and fine dust working condition.
-  Industries: Metal Processing (grinding, cutting, drilling, etc.)
-  PCB (cutting, drilling, routing, etc.)
-  Textile Cleaning
-  Machine Cleaning

• Technical Parameters

Model	VA-22J	VA-40J
Voltage (V / Hz)	380 / 50	380 / 50
Power (kW) / (HP)	2.2 / 3.0	4.0 / 5.5
Starting current (A)	30	60
Rated current (A)	5.6	9
Max air flow (m ³ /h) / (CFM)	210 / 123	400 / 235
Max vacuum (mmH ₂ O) / (kPa)	2000 / 19.6	2100 / 20.5
Noise dB (A)	74±2	75±2
Air inlet Dia. (mm) / (in)	Ø 50 / 2	
Filter area (m ²) / (sq.ft)	1.5 / 16.1	
Filter efficiency	>99%	
Capacity of collection barrel (L) / (gal)	65 / 17.2	
Dimensions【LxWxH】(mm) / (in)	1080*650*1300 / 42.5*25.6*51.2	
Weight (kg) / (lb)	90 / 198	100 / 220

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Customizable voltage
For power less than or equal to 2.2kW, the machine can be customized into single phase.
- Equipped with filter cleaning device for easy filter cleaning.
- Maintenance free powerful turbine motor can work continuously for 24 hours.
- Easy dust container cleaning.



• Optional Configurations

- > Filter cartridge version: VA-JS
- > Motor casing: VZ Series
- > Self-cleaning Version: VZF Series
- > Explosion- proof Version: VZSB Series
- > Remote Control

VZ Series






Heavy Duty Vacuum Cleaner

• Product Description

VZ/VZS/VZF Series are the Heavy Duty Industrial Vacuum Cleaners with high pressure, the VZF is also equipped with pulse jet function, very ideal for sucking/absorbing large mixed particles or chips in continuous applications or installed to centralized extraction units.



• Applications

-  Suitable for three phase working conditions.
-  Ideal solution for continuous working, heavy and fine dust working condition.
-  Metal Processing (grinding, cutting, drilling, etc.)
-  PCB (cutting, drilling, routing, etc.)
-  Machine Cleaning

• Technical Parameters

Model	VZ-22	VZ-30	VZ-40	VZ-55	VZ-75
	VZS-22	VZS-30	VZS-40	VZS-55	VZS-75
Voltage (V / Hz)	380 / 50				
Power (kW) / (HP)	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10.0
Starting current (A)	30	40	60	85	100
Rated current (A)	5.6	7.2	9	12.9	16.7
Max air flow (m ³ /h) / (CFM)	245 / 144	285 / 168	385 / 226	432 / 254	600 / 353
Max vacuum (mmH ₂ O) / (kPa)	2000 / 19.6	2100 / 20.6	2200 / 21.6	2200 / 21.6	2300 / 22.6
Noise dB (A)	72±2	74±2	75±2	76±2	78±2
Dia. air inlet (mm) / (in)	Ø 50 / 2				
Filter area (m ²) / (sq.ft)	VZ series	1.5 / 16.1			
	VZS series	3.0 / 32.3			
Filter efficiency	>99%				
Capacity of collection barrel (L) / (gal)	100 / 26.4				
Dimensions [LxWxH] (mm) / (in)	1360*670*1525 / 53.5*26.4*60				
Weight (kg) / (lb)	132 / 291	140 / 308	148 / 326	171 / 377	174 / 384

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Customizable voltage
For power less than or equal to 2.2 kW can be customized into single phase.
- Two filtration options to meet the requirements of different filtration accuracy.
- Equipped with filter cleaning device for easy filter cleaning.
- Maintenance free powerful turbine motor can work continuously for 24 hours.
- Pressure gauge to detect filter clogging.
- Easy dust container cleaning.



• Optional Configurations

- > Economy Version: VA
- > Filter bag Version: VZ
- > Self-cleaning Version: VZF
- > ATEX Explosion- proof Version: VZSB
- > PLC Control Panel: VZF-P Series
- > Air Compressor: VZF-K Series
- > Remote Control

VZSB Series

Heavy Duty Vacuum Cleaner

• Product Description

VZSB Series are ATEX- certified Vacuum Cleaners with high pressure; very ideal for sucking/absorbing large mixed particles or chips in continuous applications or installed to centralized extraction systems.



• Applications

-  Suitable for single/ three phase working conditions.
-  Suitable for continuous working conditions and heavy dust extraction with explosion proof requirement.
-  Industries: Metal Processing (grinding, cutting, drilling, etc.)
-  Wood Working
-  Food Industry
-  Chemical Industry
-  Machine Cleaning
-  Active Metal (Aluminum, Magnesium, Titanium) Polishing, Grinding, Cutting, etc..

• Technical Parameters

Model	VZSB-20	VZSB-34	VZSB-52
Voltage (V / Hz)	230 / 50	400 / 50	400 / 50
Power (kW) / (HP)	2.0 / 2.7	3.4 / 4.6	5.2 / 7.0
Starting current (A)	55	50	90
Rated current (A)	13	8	10
Max air flow (m ³ /h) / (CFM)	210 / 123	264 / 155	353 / 208
Max vacuum (mmH ₂ O) / (kPa)	1200 / 16.6	2000 / 19.7	2000 / 19.7
Noise dB (A)	72±2	78±2	78±2
Air inlet Dia. (mm) / (in)		∅ 50 / 2	
Filter area (m ²) / (sq.ft)		3.0 / 32.3	
Filter efficiency		>99%	
Capacity of collection barrel (L) / (gal)		100 / 26.4	
Dimensions [LxWxH] (mm) / (in)	1350*880*1500 / 53.1*34.6*59		
Weight (kg) / (lb)	130 / 286	150 / 330	180 / 397

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Customizable voltage
For power less than or equal to 2.2kW, the machine can be customized into single phase.
- Two filtration options to meet the requirements of different filtration accuracy.
- Equipped with filter cleaning device for easy filter cleaning.
- Maintenance free powerful turbine motor can work continuously for 24 hours.
- Pressure gauge to detect filter clogging.
- Easy dust container cleaning.



• Optional Configurations

- > Normal Version: VZ Series
- > Self-cleaning Version: VZF Series
- > Spark Trap
- > Remote Control



VZF Series






Heavy Duty Pulse Jet Vacuum Cleaner

• Product Description

VZF Series are Heavy Duty Industrial Vacuum Cleaners with high pressure, pulse jet cleaning device; very ideal for sucking/absorbing large mixed particles or chips in continuous applications or installed to centralized extraction systems.



• Applications

-  Suitable for three phase working conditions.
-  Ideal solution for continuous working, heavy and fine dust working condition.
-  Industries: Metal Processing (grinding, cutting, drilling, sandblasting, etc.)
-  PCB (cutting, drilling, routing, etc.)
-  Machine Cleaning

• Technical Parameters

Model	VZF-22	VZF-30	VZF-40	VZF-55	VZF-75
Voltage (V / Hz)	380 / 50				
Power (kW) / (HP)	2.2 / 3.0	3.0 / 4.0	4.0 / 5.5	5.5 / 7.5	7.5 / 10.0
Starting current (A)	30	40	60	85	100
Current (A)	5.6	7.2	9	12.9	16.7
Max air flow (m ³ /h) / (CFM)	245 / 144	285 / 168	385 / 226	432 / 254	600 / 353
Max vacuum (mmH ₂ O) / (kPa)	2000 / 19.6	2100 / 20.6	2200 / 21.6	2200 / 21.6	2300 / 22.6
Noise dB (A)	72±2	74±2	75±2	76±2	78±2
Dia. air inlet (mm) / (in)	Ø 50 / 2				
Filter area (m ²) / (sq.ft)	5.3 / 57				
Filter efficiency	>99%				
Capacity of collection barrel (L) / (gal)	100 / 26.4				
Dimensions【LxWxH】(mm) / (in)	1350*670*1570 / 53.1*26.4*61.9				
Weight (kg) / (lb)	150 / 330	158 / 348	165 / 366	187 / 412	190 / 419

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Customizable voltage
For power less than or equal to 2.2kW, the machine can be customized into single phase.
- Two filtration options to meet the requirements of different filtration accuracy.
- Equipped with filter self-cleaning device for easy filter cleaning.
- Maintenance free powerful turbine motor can work continuously for 24 hours.
- Pressure gauge to detect filter clogging.
- Easy dust container cleaning



• Optional Configurations

- > Economy Version: VA Series
- > Manual filter cleaning Version: VZ Series
- > Explosion- proof Version: VZSB Series
- > PLC Control Panel: VZF-P Series
- > Air Compressor: VZF-K Series
- > Remote Control

VFG Series

Two-stage Filtration Industrial Vacuum Cleaner




• Product Description

VFG- E Series uses turbine motor which has the characteristics of long working hours, high pressure; very ideal for three phase high precision applications.

VFG- S Series uses carbon brush motor with high pressure and adjustable air flow; suitable for single phase high precision applications.



• Applications

-  S-series is suitable for single phase working conditions. E-series is suitable for three phase working conditions.
-  Suitable for hazardous dust (e.g. chemical dust (non-flammable and explosive), silicon powder (concrete dust), carbon powder, fine metal dust); can effectively reduce the risk of secondary dust pollution.
-  Suitable for precious metal dust collection; can effectively improve the efficiency of dust recycling.

• Technical Parameters

Model	VFG-1S	VFG-2S	VFG-3S	VFG-40E	VFG-75E	VFG-86E
Voltage (V / Hz)	230 / 50		380 / 50			
Power (kW) / (HP)	1.2 / 1.7	2.4 / 3.4	3.6 / 5.1	4.0 / 5.5	5.0 / 7.5	7.5 / 10
Starting current (A)	12	28	45	60	85	110
Rated current (A)	6	12	17	9	12.9	16.7
Max air flow (m ³ /h) / (CFM)	220 / 129	353 / 208	480 / 282	385 / 226	432 / 254	600 / 353
Max vacuum (mmH ₂ O) / (kPa)	2000 / 19.8	2200 / 21.6	2400 / 23.5	2200 / 21.6	2200 / 21.6	2300 / 22.6
Noise dB (A)	85±2	87±2	90±2	75±2	76±2	78±2
Air inlet Dia. (mm) / (in)	Ø 50 / 2	Ø 50 / 2	Ø 50 / 2	Ø 50 / 2	Ø 75 / 3	Ø 75 / 3
Filter area (m ²) / (sq.ft)	1.5 / 16.2	2.4 / 25.8	2.8 / 30.1	1.9 / 20.5	2.1 / 22.6	2.1 / 22.6
Filter efficiency	>99.9%					
Dimensions [LxWxH] (mm) / (in)	850*480*1200 / 31.5*18.0*47.0	860*580*1220 / 33.8*23.0*48.0	940*580*1370 / 37.0*23.0*55.0	980*650*1550 / 38.6*25.6*61	1270*730*1620 / 50*28.7*63.8	1270*730*1620 / 50*28.7*63.8
Weight (kg) / (lb)	62 / 121	80 / 176	90 / 198	165 / 364	230 / 507	230 / 507

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



• Features

- Compact and mobile structure.
- Two-stage filtration for high filtration accuracy.
- Equipped with filter cleaning device for easy filter cleaning.
- Powerful carbon brush motors with independent controller, or maintenance free powerful turbine motor can work continuously for 24 hours.
- Cassettes for easier dust cleaning. Avoid secondary pollution. (Length:22m)
- Pressure gauge to detect filter clogging.



• Optional Configurations

- > Single phase self-cleaning version
- > Three phase self-cleaning version
- > Lifting structure version
- > Soft starter (Models with power greater than 4kW)
- > Remote Control

Welding Fume Extractors



VH/VHX Series

Fume Extractor with Multiple Filters



• Optional Configurations

- > Stainless steel version
- > Multi tower light
- > Explosion-proof version
- > Upgrade to Siemens motor
- > Swivel casters with brake
- > HEPA filter
- > Filter cartridge version

• Product Description

VHX series are high efficiency fume extractors with multiple filtration system; very ideal for the air purification of smoke and fumes in laser and related processing.

VH series are highly efficient welding fume extractors with 3-stage filter system; very ideal for the fume and dust extraction in the soldering process of the circuit boards and electronic industry.

• Applications

VHX Series: Low power laser welding, cutting, engraving and other laser processing in the auto industry, industrial automation, etc.

VH Series: Welding (manual arc welding; gas shielded arc welding; argon arc welding, etc.) cutting, grinding, and other smoke purification applications.



• Features

- Filtration efficiency is 99.97%-99.99% at 0.3 microns with multiple filtration system.
- Large airflow, simple structure, economic space occupation, cost-saving and reliable.
- The brushless motor and excellent metal plate technology ensures long-lasting durability.
- Compact structure product including convenient 360 degree rotation suction arm for desirable positioning.
- The product uses the PWM controller, the air volume is variable, and it is practical, convenient and energy-saving.



VHX

VH



• Technical Parameters

Model	VHX-15J	VHX-15	VHX-15D	VH-400	VH-1000
Voltage (V / Hz)	220 / 50				
Power (W) / (HP)	135 / 0.18			400 / 0.55	1000 / 1.34
Rated current (A)	1.6			2.8	6.8
Max air flow (m ³ /h) / (CFM)	132 / 77			232 / 135	415 / 244
Noise dB (A)	65±2			68±2	70±2
Air inlet Dia. (mm) / (in)	Ø 50 / 2.0	Ø 50 / 2.0	2*Ø 50 / 2	Ø 50 / 2	Ø 100 / 4
Filter efficiency	>99%				
Dimensions [LxWxH] (mm) / (in)	320*300*460 / 12.6*11.8*18.1			550*530*1050 / 21.7*20.9*41.3	700*550*1250 / 27.5*21.6*49.2
Weight (kg) / (lb)	20 / 44	20 / 44	22 / 48.5	65 / 143	85 / 187

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VH-T/VHT Series

Fume Extractor with Filter Cartridge



• Product Description

VH-T series are highly efficient welding fume extractors with self-cleaning system, very ideal for the fume and dust disposal in the welding workshop or other similar working conditions.

VHT Series are also high efficiency welding fume extractors that are equipped with high efficiency filter cartridge. They are ideal for the fume and dust disposal in the soldering process of the circuit boards and electronic industry.

• Applications

VH-T: Welding (manual arc welding; gas shielded arc welding; argon arc welding, etc.), cutting, grinding, and other smoke purification applications.

VHT: Smoke purification in single phase voltage working conditions. Such as the soldering, wave soldering, laser welding, sculpture, etc.



• Optional Configurations

- > Stainless steel version
- > Multi tower light
- > Explosion-proof version
- > Odor removal version
- > Manual/ Self filter-cleaning version
- > Swivel casters with brake

• Features

- The filter material is polyester with PTFE coated, which can filter 99.9% dust at 0.3 microns.
- The compact and portable product including a convenient 360-degree rotation suction arm for desirable positioning.
- VH-T: Pulse jet cleaning method for the filter makes machine to work continuously. User can set the pulse frequency depending upon the requirements.
- VH-T: Siemens motor and excellent metal plate technology ensures long-lasting durability.
- VHT: The high quality brushless motor and excellent metal plate technology ensures long-lasting durability.



VHT



VH-T

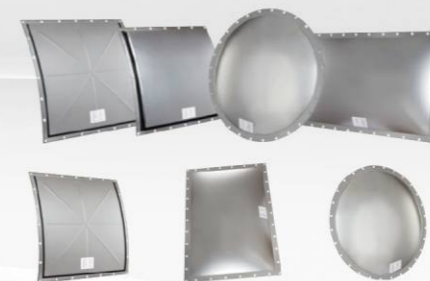


• Technical Parameters

Model	VHT-15S	VH-150T	VH-220T
Voltage (V / Hz)	220 / 50	380 / 50	
Power (W) / (HP)	135 / 0.18	1500 / 2.0	2200 / 3.0
Rated current (A)	1.6	3.2	4.4
Max air flow (m ³ /h) / (CFM)	165 / 97	1500 / 883	1900 / 1118
Noise dB (A)	65±2	73±2	75±2
Air inlet Dia. (mm) / (in)	Ø 50 / 2.0	Ø 150 / 6.0	Ø 150 / 6.0 (2pcs, Ø150/pcs)
Filter area (m ²) / (sq.ft)	0.72 / 7.7	10.6 / 114	
Filter efficiency	>99%		
Dimensions [LxWxH] (mm) / (in)	320*300*520 / 12.6*11.8*20.5		700*750*1520 / 27.6*29.5*58.9
Weight (kg) / (lb)	23 / 50.7		150 / 331

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

Subsidiary Products



VCY Series

Electrode Scrap Compressor



• Product Description

VCY is suitable for mechanical notching and pre-slitting operations of pole piece forming machines. It collects and compresses the scraps produced by the cathode/anode, and separates the gas and solid of the treated material.

• Applications

- > Mechanical Notching
- > Pre-slitting
- > Winding
- > Scrap Collection



• Technical Parameters

Model	VCY-DGYS-T-800-CE
Voltage (V / Hz)	400 / 50
Total power (kW)	7.5
Cutting parameters	Width: ≤50mm
	Thickness: ≤100μm
	Cutting speed: ≤90m/min
	Quantity: ≤2 continuous or segmented
Air speed requirement of exhaust port (m/s)	≥25
Compressed air pressure (Mpa)	0.5-0.6
Noise dB(A)	≤75
Inlet diameter (mm)	custom made
Number of filter cartridges (pcs)	2
Collection interval (H)	4~8
Dimensions[L*W*H] (mm)	3335*1270*2900

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.

VL-PFQ Series

Inert Powder Feeder

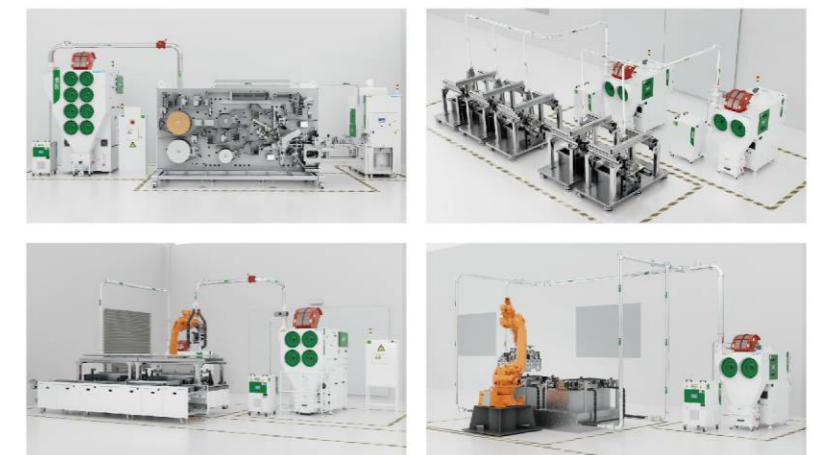


• Product Description

The Inerting Powder supply equipment has the characteristics of movable and stable powder output and small footprint. It meets the requirements of supporting explosion-proof (or non-explosion-proof) industrial dust collectors in collecting flammable and explosive dust, and reaches The function of inerting the activity of flammable and explosive dust and ensuring the safe use of dust removal equipment.

• Production Processes Application

- > Calendering
- > Notching
- > Stacking
- > Winding
- > Tab Welding
- > Al Case Welding



• Technical Parameters

Model	VL-PFQ-30L-6TP	VL-PFQ-30L-6TP(Simple)	VL-PFQ-30L-6	VL-PFQ-30L-6(Signal)
Voltage (V / Hz)	220/50			
Power (W) / (HP)	25	25	120	120
Maximum powder output (g/h)	2000			
Powder way	Screw conveying	Screw conveying	Twin screw conveying	Twin screw conveying
Maximum powder storage capacity (kg)	25			
Powder method	Artificial powder			
Outlet diameter (mm)/(in)	Φ32 / 1.26 (customized)			
Mobility	Swivel caster with brake			
Dimension[L*W*H] (mm)/(in)	645*532*1043 / 25.4*20.9*41.1			

*The mentioned values of airflow and the pressure may vary slightly with change in air inlet size. It is normal that the current value may fluctuate in a small range voltage and frequency will affect the current value.



Explosion Isolation Valve

• Product Description

The Explosion Isolation Valve is a passive one-way explosion-proof valve used on pipelines containing combustible dust, which allows dust and gas in the pipeline to pass through in one direction and prevents the reverse propagation of explosion. Proper use of the explosion isolation valve can prevent the dust explosion from spreading from the downstream pipeline to the upstream pipeline, thereby effectively avoiding the occurrence of "secondary explosion" or "multiple explosions", preventing the expansion of dust explosion accidents and protecting personal safety.

• Technical characteristics

- > Sophisticated design:
Low pressure drop, preset cleaning nozzles and Sensor ports on the flap.
- > Max explosion relief pressure:
Pred,max ≤ 0.040MPa
- > Applicable dust types:
St1 and St2 non-metallic dust, St1 metal dust
- > Test report:
Certified By A Third-party Authoritative Organization In China



Suitable for vertical installation

• Technical Parameters

Item	Parameter			
Specification	DN100~DN300	DN350~DN600	DN650~DN1000	
Pressure loss @20m/s	260Pa	350Pa	400Pa	
pred,max	0.05MPa	0.04 MPa	0.03 MPa	
Installation Distance	2~7m	3~7.5m	5.5~8.5m	4.5~8.5m
Dust species	Non metallic dust: St1 and St2			Non metallic dust: St1
	Metallic dust: St1			/
	No corrosiveness, no viscosity, no friction.			
Applicable technology	Negative pressure technology;			
	Working pressure not higher than one atmospheric pressure (0.1MPa);			
	Oxygen content is not higher than that in air (21%).			
Reusability	Not reusable			
Product standard	EN 16447-2014 Explosion isolation flap valves			
Test Report	Certified by the third-party authority in China			

Flameless Explosion Venting



• Product Description

Flameless explosion venting device is a protective device that can be used for indoor dust explosion pressure relief. Through the special structural design, it can effectively extinguish the released flame generated by explosion venting, and at the same time reduce the temperature of airflow and dust, so as to achieve the purpose of safe explosion venting.

• Structure and composition

Flameless explosion venting device consists of a pressure relief element and a fire extinguishing element. The pressure relief element usually adopts a bursting plate, and the appropriate pressure relief area and static cracking pressure can be selected according to the site working conditions or process requirements. The quenching element is usually a porous multilayer structure with a large surface area, which can not only pass force. The extinguishing element is usually a porous multi-layer structure with a large surface area, which can not only reduce the flame temperature by absorbing heat, but also capture dust, so as to achieve the effect of fire extinguishing.

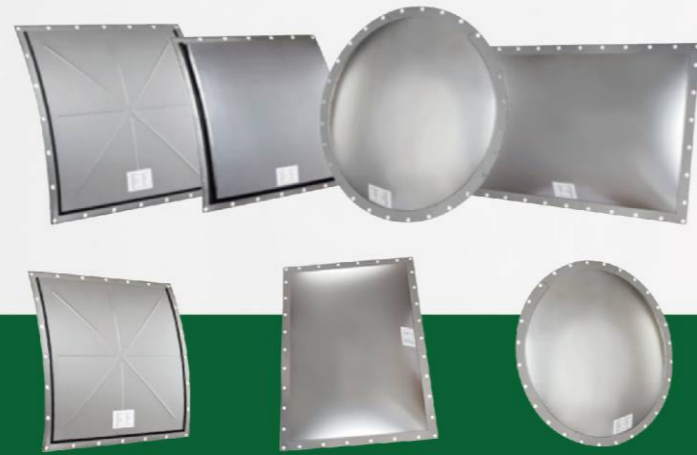
Optional accessories are available:

Including back pressure supports and explosion vent detectors.



• Technical Parameters

Model	Sector-shaped	Cylinder-shaped
Static cracking pressure	Relevant to the selection of pressure relief components, standard static cracking pressure p_{stat} of this product $=0.01\text{MPa} \pm 25\%$	
Maximum relief pressure	pred, $\max \leq 0.0451\text{MPa}$	
Pressure relief efficiency	66%	91%
Flameless performance	No Mars or Flames	
Re-usability	Not reusable	
Installation location	No combustibles within 4 meters of the vicinity, restricted access, with warning signs	
Applicable technology	Oxygen content is not higher than that in air (21%); working pressure is not higher than one atmospheric pressure (0.1 MPa)	
Applicable dust	Category: Non-metallic Dust for Air Supply in Combustion	
	Maximum explosion pressure: $p_{max} < 0.73\text{MPa}$	
	Explosion index: $KSt < 28.77\text{MPa.m/s}$	
Optional accessories	Explosion grade: $<St2$	
Consumables	Back pressure support device, explosion relief detector	
Product execution standards	Blasting Plate (venting rupture disc)	
Test report	GB/T15605 Dust explosion pressure relief guide, EN16009 Flameless explosion venting devices	
	Pass the certification of the third party authority in China	



Explosion Venting Panel

• Product Description

The explosion vent is a non-reusable explosion pressure relief device, which can be used for explosion pressure relief protection of combustible dust or combustible gas. It has the advantages of high pressure relief efficiency, accurate opening pressure, no dangerous projectiles during the pressure relief process, and low price.

• Applicable equipment and facilities

Dust collectors, cyclone separators, pneumatic conveying devices (pipelines), ball mills, grinders, dryers, elevators, silos and buildings, etc.

Technical characteristics

Pressure relief efficiency: 100%

- › Static opening pressure: 0.01MPa (mainly used for combustible dust) and other higher pressures. Slotted and grooved models are available in flat and positive arches.



• Technical Parameters

Round explosion venting panel series	
Nominal size (mm)	Effective pressure relief area (m ²)
Φ350	0.086
Φ400	0.126
Φ500	0.196
Φ600	0.283
Φ700	0.385
Φ800	0.503
Φ900	0.636
Φ1000	0.785
Φ1200	Non-standard design
Φ1600	Non-standard design
Φ2500	Non-standard design
Rectangular explosion venting panel series	
Nominal size (mm)	Effective pressure relief area (m ²)
310x240	0.074
410x240	0.098
410x310	0.127
410x410	0.168
580x410	0.238
910x410	0.373
690x690	0.476
910x580	0.528
840x840	0.706
1090x690	0.752
910x910	0.828
1245x910	1.133

Spark Detection & Extinguishing System



• Working principle

The spark detection and extinguishing system is an active fire and explosion prevention equipment that can detect sparks in process equipment or pipelines and extinguish them in time, thereby eliminating potential fire and explosion hazards.

• Constituent unit

The spark detection and extinguishing system consists of a spark detector, a spark extinguishing system and a control system.

• Spark detector

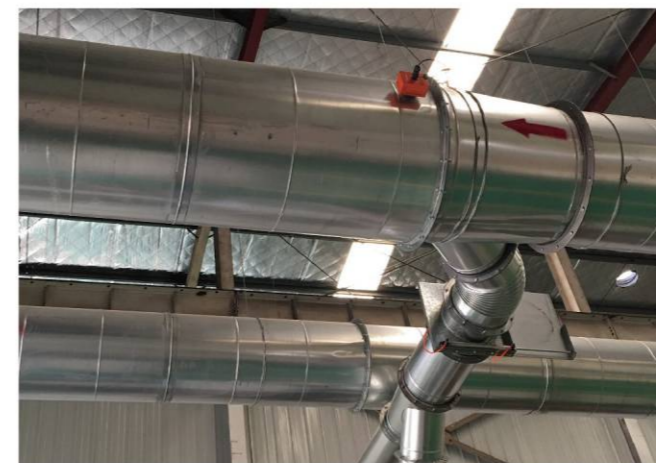
Function: Used to detect sparks or hot particles in process piping
Use place: process pipeline

Optional models:

1. SG-DA: Ordinary detector (suitable for completely dark environment)
2. SG-DA-LT: low temperature detector (suitable for lower detectable temperature in completely dark environment)
3. SG-AL: can be used in sunlight environment

• Technical characteristics

- > **Fast response:**
Overall system response time < 300 ms, spark probe response time < 1 ms
- > **Detection Angle:** 120°
- > **Applicable duct wind speed:** (2~30) m/s
- > **Easy to operate:**
Equipped with a high-quality touch screen, which can display the running status, spark alarm, spark extinguishing and other historical records
- > **Test report:**
certified by a third-party authoritative organization in China



• Technical Parameters

Item	Parameters and Description
Operating Voltage	AC 220V, 50Hz
DC power module	Input voltage: AC 220V; Output voltage: DC 24V
7-inch touch screen	MGGC-TPC7072S
MCU module	ST, STM32F407
Spark monitoring area	For spark monitoring (primary monitoring), connect 2 detectors
Spark recheck area (optional, SK-EM4211 includes this function, SK-EM2211 does not include this function)	For spark recheck (secondary monitoring), connect 2 detectors
Ambient temperature	(-17~48) °C
Dimension	500*400*310 (mm)
Weight	20kg
Explosion-proof grade	ExdeIIBT6Gb; ExtDA21IP65T180°C
Anticorrosion grade	WF1
Shell material	Cast aluminum



• Technical Parameters

Item	Parameters and Description
Manufacturer	VILLO ENVSAFE
Trademark/Model	Spark Guard/ SG - DA
Operating Voltage	DC 24V
Spectral response range	(800~1700) nm
Peak spectrum	1550nm
Sensor effective sensing area	Φ1mm
Maximum detectable spark speed range	30 m/s
General Sensitivity	At a distance of 1m, 1mm sparks can be detected
Detection angle	120°cone angle
Response time	< 1 ms
Dimension	115*90*58 (mm)
Detection method	Infrared and temperature
Range of application	Equipment and ducts
Operating temperature	(-20~60)°C
Relative humidity	0~95%
Housing material/protection level	Aluminum cast housing /IP 65
Way to control	Local and Remote Control: Touch Screen (Human Machine Interface)
Self-check function	The probe has a built-in self-test function. A calibrated LED light is designed inside the probe, which can emit a certain amount of infrared energy in a very short time to simulate the existence of sparks.

• Technical Parameters

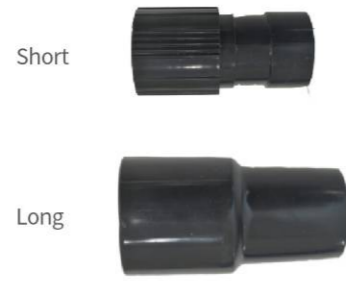
Item	Parameters and Description
Operating Voltage	24 V DC
Operating temperature	(2~60)°C
Effective water spray response time	About 300 ms
Filter ball valve	Working pressure: 1.6MPa
	Working temperature: (0~120)
Pressure Sensor	Interface: G3/4
	Range: 0~1MPa
	Operating Voltage:11~28VDC
	output signal: 4~20mA,
	interface: G1/4
	Electrical interface: M20X1.5 internal thread
	Explosion-proof grade: Exd II CT6 Gb\IP65
Solenoid valve	Power: (1) ordinary type: 28W; (2) explosion-proof type: 60W
	Input voltage: 24 V DC
	Pressure resistance: 1.6Mpa
	Interface: 6 points female thread joint G3/4,
	Electrical interface: M20X1.5 internal thread
Flow pressure switch	Explosion-proof grade: Exd II BT4 Gb
	Trigger pressure: 1Bar
	Working pressure: 1.7MPa; interface: G1/4
	Electrical interface: M20x1.5 internal thread
sprinkler	Explosion-proof grade: Exde II CT6 \IP65
	With anti-clogging design function.
	Spray shape: hollow cone
	Water spray angle: 120°
	Interface: G3/4

ACCESSORIES



Suction Nozzle

- Diameter: ϕ 40mm/ ϕ 50mm
- Material: ϕ 40mm—Plastic
 ϕ 50mm—Aluminum



Hose Connector

- Diameter: ϕ 40mm
- Material: Plastic



Water Brush

- Diameter: ϕ 40mm/ ϕ 50mm
- Material: Aluminum



Brush

- Diameter: ϕ 40mm/ ϕ 50mm
- Material: Aluminum



Round Brush

- Diameter: ϕ 40mm
- Material: Plastic



Bend Pipe

- Diameter: ϕ 40mm/ ϕ 50mm
- Material: Aluminum



Solenoid Valve



Schneider Switch Control Box



Carbon Brush Motor



Collection Bag



Filter Bag



Motor for Filter Cleaning



Double Bend Pipe

- Diameter: ϕ 50mm
- Material: Aluminum



Hose

- Diameter: ϕ 40mm/ ϕ 50mm
- Material: PVC



Pressure Gauge



Spark Trap



Turbine Motor



Wall Valve

ACCESSORIES



Siemens Inverter



Siemens PLC



Siemens PLC Touch Screen



Rotary Discharge Valve



Pneumatic Gate Valve



Temperature Sensor



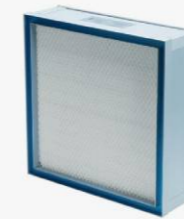
Differential Pressure Transmitter



Differential Pressure Switch



Differential Pressure Gauge



HEPA Filter



Filter Cartridge



Dust Concentration Detector



Tuning Fork Level Switch



Multi Tower Light



Pressure Gauge



Soft Starter



Air Speed Sensor



Flexible Suction Arm

ACCESSORIES