

VA-TD Series

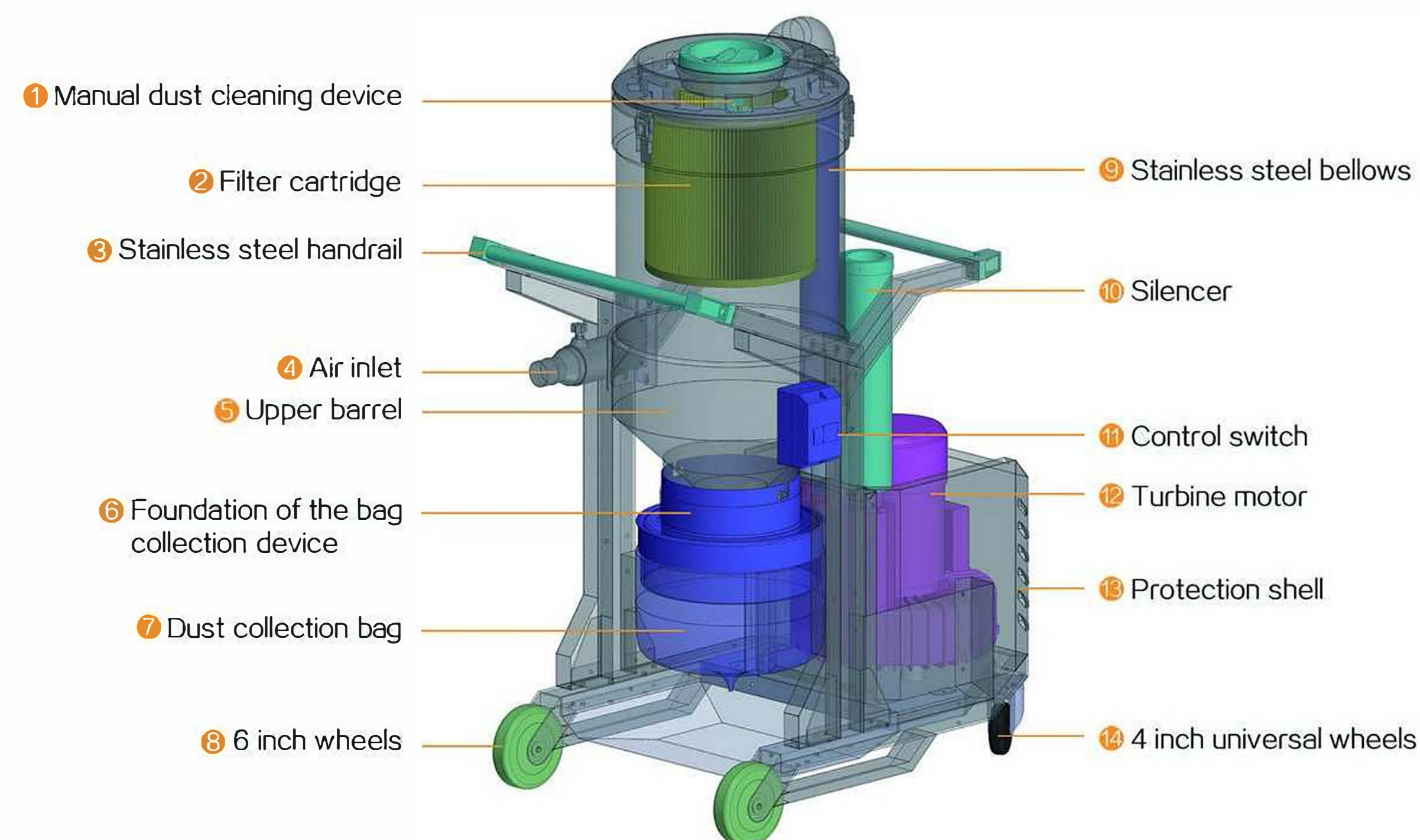
Compact Industrial Vacuum Cleaner

APPLICATION

- Apply to the three phase working condition which requires 24h working continuously
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



SPECIALTY

① Classical structure, solid and durable

- The machine adopted compact and simple design structure, the heat dispersion is excellent, and the biggest advantage is this continuous bagging structure can decrease the weight and volume of the machine, easy to use.
- The main metal plate adopts 2mm thickness SPCC to guarantee the structure strength.

② Turbine motor allows working continuously

- The motor adopts international advanced precision casting of aluminum alloy technology, wide voltage and dual frequency, IP54 protection level, F grade insulation, 24 hours working continually, powerful suction.

③ Disk type hand shank

- The hand shank adopts high-tech polymer material, and it can be folded. Meet the ergonomics design, to make the handrail operation more safe and comfortable.

④ HEPA filter unit

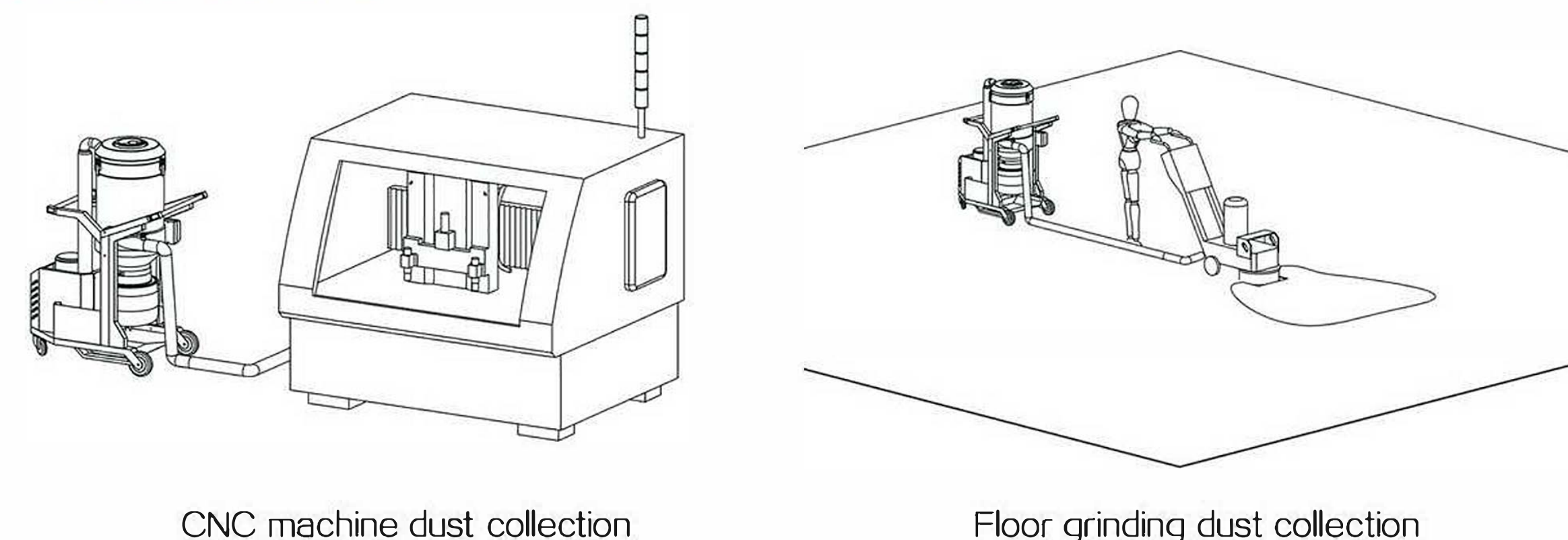
- Adopted with "Toray" polyester material which is imported from Japan. The surface is PTFE finished. Filter precision degree can be 99% at 0.3 μm dust.
- Vertical mounted filter cartridge which can avoid dust accumulation and save the space.

⑤ Dust collection bag separating operation

- Unique continuous disposal Longopac® bag structure makes installing and releasing more convenient. Bagging is folded by plastic bags, and it can be continuously pulled out. When it collects a certain amount of dust, user can seal the bag by cable ties (refer to the picture), and cut the bagging. Then user can continue using the next bag. It's very economical and practical.



EXAMPLE FIGURE



TECHNICAL PARAMETERS

Models	VA-22TD		VA-30TD		VA-40TD		VA-55TD	
Voltage (V/Hz)	380/50	480/60	380/50	480/60	380/50	480/60	380/50	480/60
Power (Kw)	2.2	2.55	3	3.45	4	4.6	5.5	6.3
Max vacuum (mmH ₂ O/ kPA)	2350/23.05	2450/24.03	2700/26.49	2500/24.53	2600/25.51	2600/25.51	3000/29.43	3000/29.43
Air flow (m ³ /h/ CFM)	265/155.88	315/185.29	318/187.06	376/221.18	420/247.06	500/294.12	530/311.76	620/364.71
Noise dB(A)	73±2		74±2		75±2		76±2	
Inlet (mm)	50		50		50		50	
Filter area (m ²)	2.5		2.5		2.5		2.5	
Dimension (mm)	1000*650*1450		1000*650*1450		1000*650*1450		1000*650*1450	
Weight (kg)	107		111		125		152	
Protection level	IP54		IP54		IP54		IP54	

VFG Series

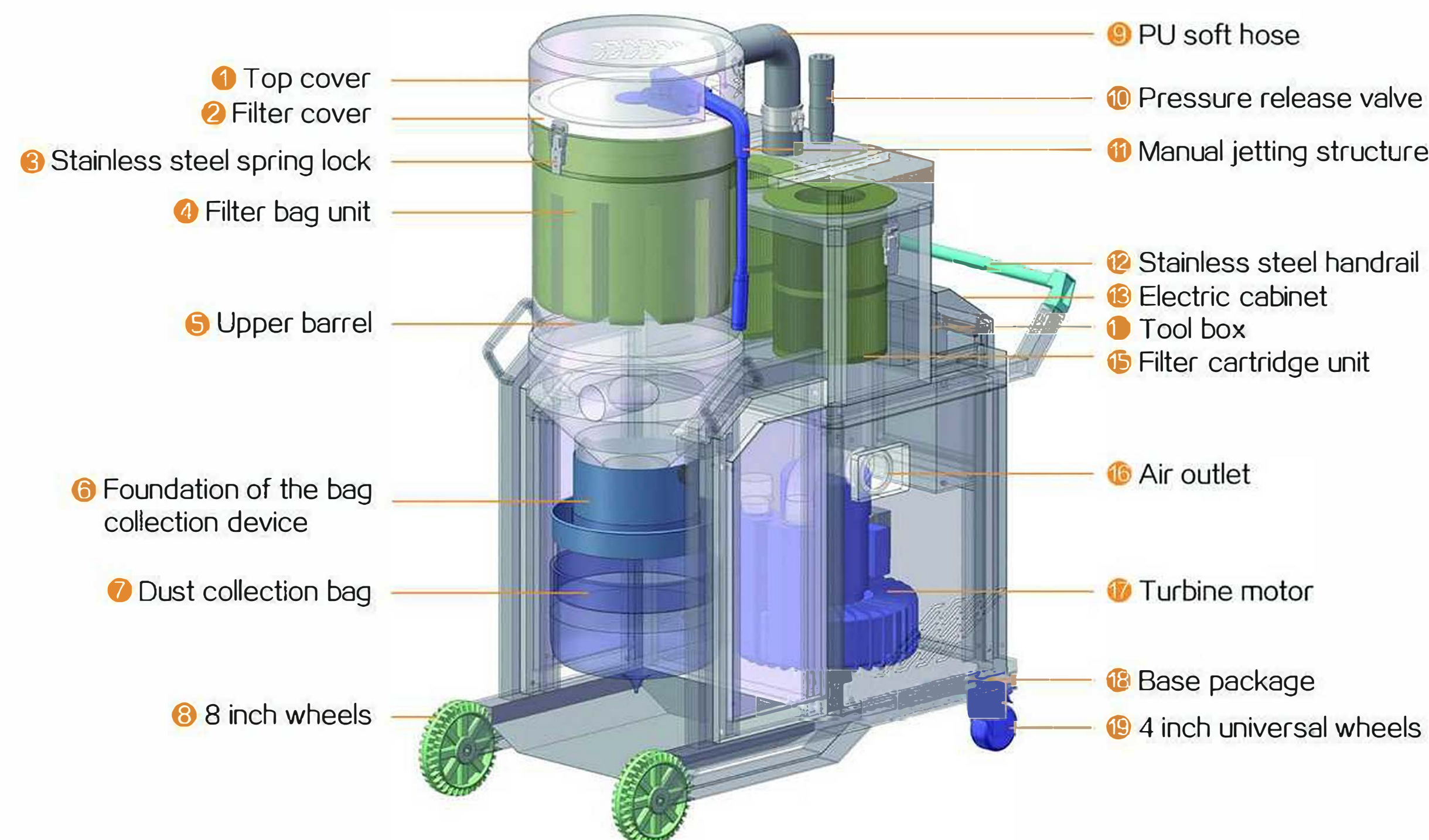
Small Power Industrial Vacuums Cleaner

APPLICATION

- Apply to the three phase working condition which requires 24h working continuously
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



USE MAP



SPECIALTY

① Comparison of Motors

· Both of the VFG series and the VFG-TS series are adopting the continuous plastic packing bag. But the main different part is they use different motor. For the VFG series, they use the turbine which can continuously work for 24 hours.

② HEPA filter cartridge

· Adopt two-stage filtering units. The first stage is star shape polyester needle felt filter bag which provides a minimum efficiency of 99% dust at 1.0-3.0 μm. The secondary stage is "TORAY" cartridge filter which imported from Japan. This cartridge filter coated with PTFE film can ensure the filter efficiency up to 99% at 0.3 μm dust. PM2.5 can be removed effectively under this filter fineness.

③ VFG Series Cleaning Method

· VFG Series adopt hand-pulled reverse jetting device which can deal with the dust on the filter more efficiently, and save resource at the same time.

· Unique continuous disposal Longopac® bag structure makes installing and releasing more convenient. Bagging is folded by tube plastic bags, and it can be continuously pull out. When it collects a certain amount of dust, user can seal the bag by cable ties (refer to the picture), and cut the bagging. Then user can continue using the next bag. It's very economical and practical.

④ VFG Series Electric Control Design

· The design of the electric control board has combined with the technology of silk-screen which makes the board looks more beautiful.

· VFG series are equipped with the digital display pressure switch that can remind the user of cleaning the machine.

· VFG series use the four-core socket and plug that can be well matched with the floor grinder.



TECHNICAL PARAMETERS

Models	VFG-30		VFG-40		VFG-55		VFG-75	
Voltage (V/Hz)	380/50	480/60	380/50	480/60	380/50	480/60	380/50	480/60
Power (Kw)	3	3.45	4	4.6	5.5	6.3	7.5	8.6
Max vacuum (mmH ₂ O/ kPA)	2700/26.49	2500/24.53	2600/25.51	2600/25.51	3000/29.43	3000/29.43	2700/26.49	2700/26.49
Air flow (m ³ /h/ CFM)	318/187.06	376/221.18	420/247.06	500/294.12	530/311.76	620/364.71	700/411.76	840/494.12
Noise dB(A)	72±2		73±2		74±2		74±2	
Inlet (mm)	75		75		75		75	
Filter area(m ²)	Filter bag 2.4		Filter bag 2.4		Filter bag 2.4		Filter bag 2.8	
	Filter cartridge		Filter cartridge		Filter cartridge 2*3		Filter cartridge 2*3	
Dimension (mm)	1320*580*1640		1320*630*1640		1540*760*1760		1540*760*1760	
Weight (kg)	198		216		264		281	
Protection level					IP54			

VFG Series

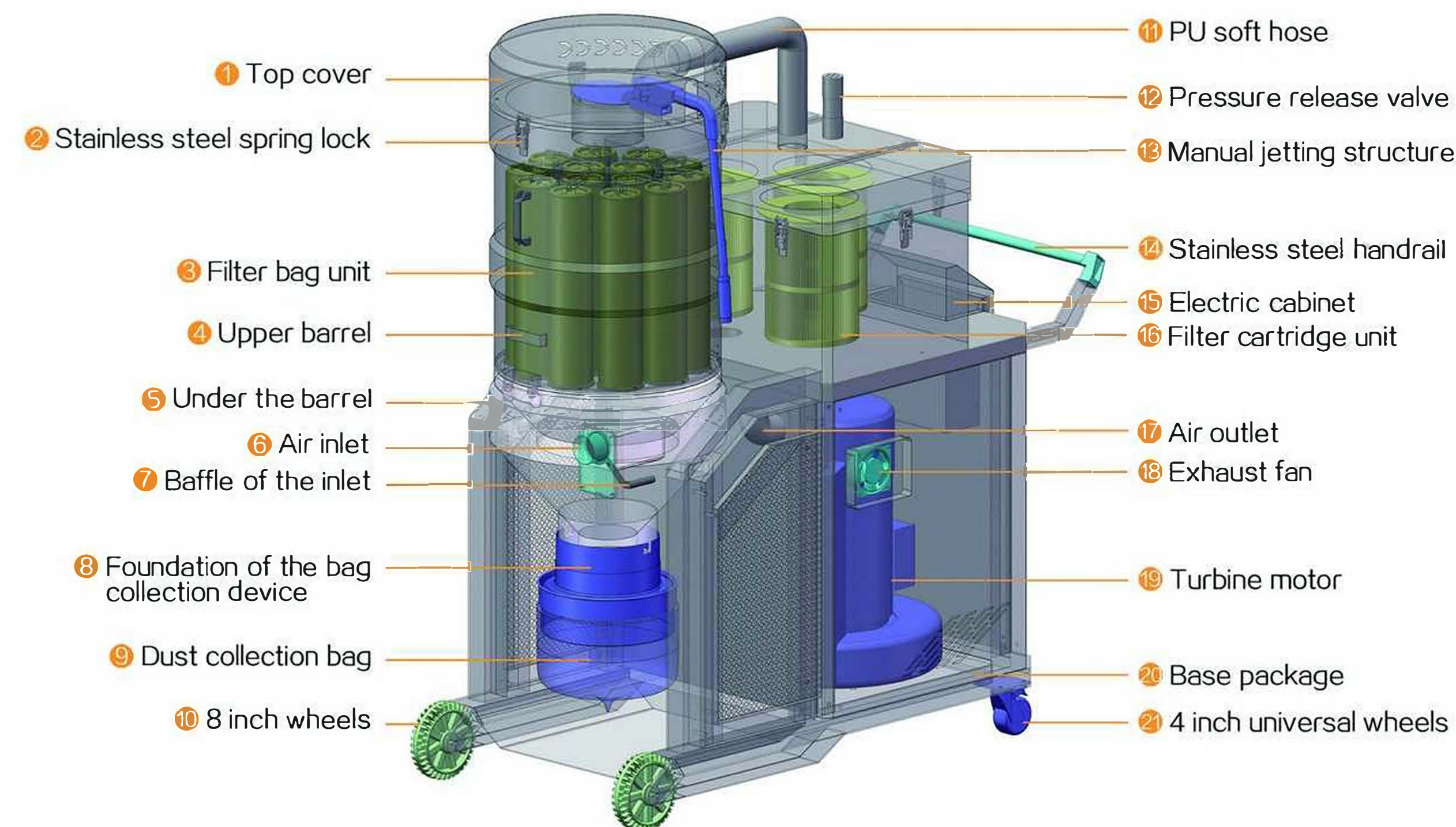
Heavy Duty Industrial Vacuum Cleaner

APPLICATION

- Apply to the three phase working condition which requires 24h working continuously
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



USE MAP



SPECIALTY

① Foldable or separable structure

· Allows lowering the height of the vacuums for the convenience of transportation or storage at the place with limitation of height.



② Cylindrical Filter bags

· The heavy duty VFG series vacuums are equipped with two stages of filter units. The filter bags stage is using the structure that consists of 10 units of cylindrical filter bags. This kind of structure can greatly increase the filtering area and efficiently improve the reverse blowing system.



③ Quick Coupling

· The quick coupling is specially designed to match with the air inlet of the VFG series vacuums. It is very easy to dismantle.

④ The Control Valve for Reverse Blowing system

· This control valve is installed in the air inlet. Before proceeding the reverse blowing system, please manually toggle the valve so as to stuff the air inlet completely, and then pull the rocker to clean the filter bags.

TECHNICAL PARAMETERS

Models	VFG-110		VFG-125	
Voltage (V/Hz)	380/50	480/60	380/50	480/60
Power (Kw)	11	12.6	12.5	14.5
Max vacuum (mmH ₂ O/ kPA)	2800/27.47	3100/30.41	2800/27.47	2700/26.49
Air flow (m ³ /h/ CFM)	900/529.41	1050/617.65	1050/617.65	1250/735.29
Noise dB(A)	78±2		79±2	
Inlet (mm)	100		100	
Filter area(m ²)	Filter bag	5.5	5.5	
	Filter cartridge	3*3	3*3	
Dimension (mm)	1710*810*1990		1710X810X1990	
Weight (kg)	381		400	
Protection level	IP54		IP54	

VFG-TS Series

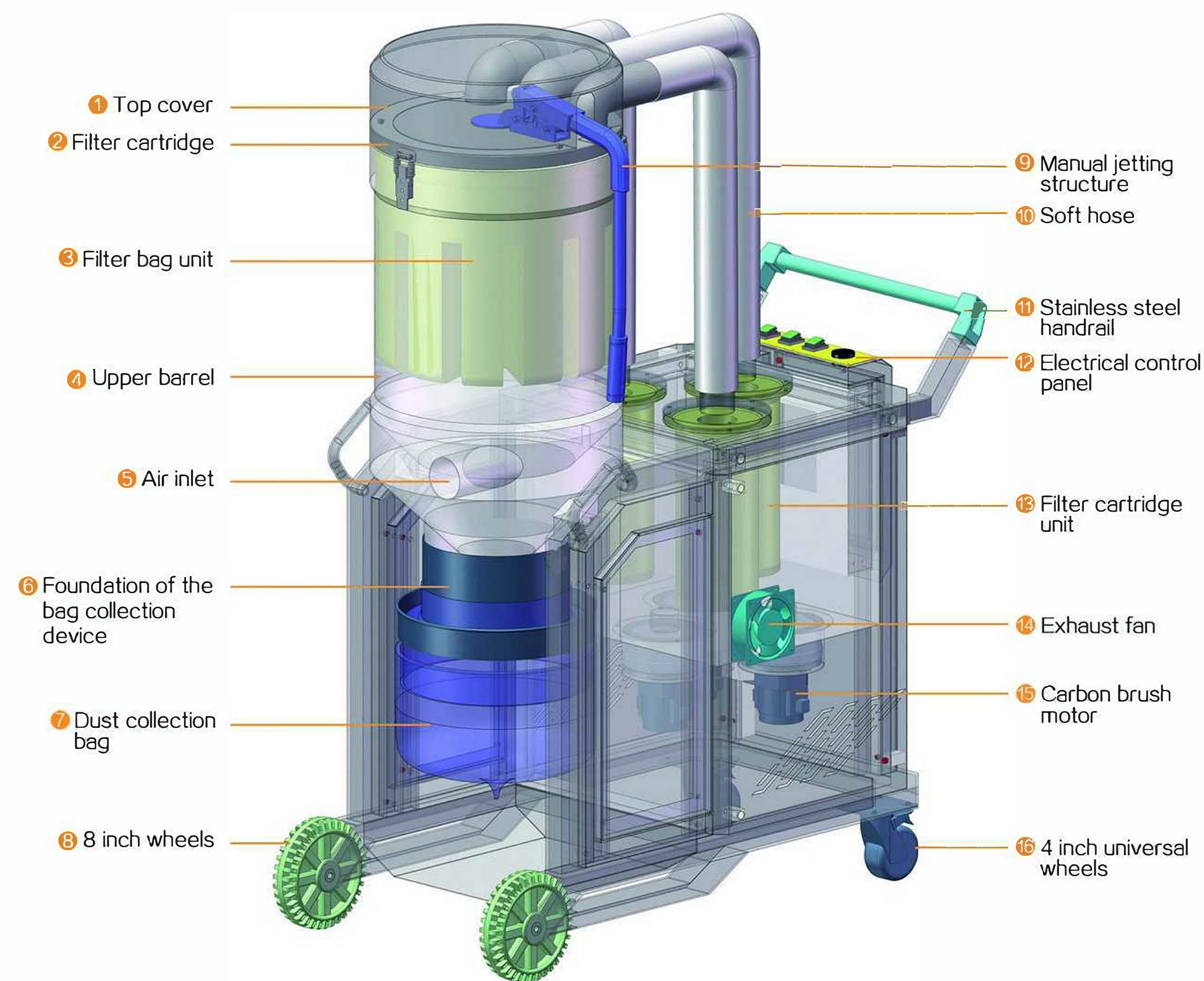
Single Phase Industrial Vacuum Cleaner

APPLICATION

- Apply to the single phase working condition which requires adjustable airflow
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



SPECIALTY

① HEPA filter cartridge

· Adopt two-stage filtering units. The first stage is star shape polyester needle felt filter bag which provides a minimum efficiency of 99% dust at 1.0-3.0 μm. The secondary stage is "TORAY" cartridge filter which imported from Japan. This cartridge filter coated with PTFE film can ensure the filter efficiency up to 99% at 0.3 μm dust. PM2.5 can be removed effectively under this filter fineness.

② VFG-TS Series Cleaning Method

· VFG-TS Series model adopts hand-pulled reverse jetting device which can deal with the dust on the filter more efficiently, and save resource at the same time.

· Unique continuous disposal Longopac® bag structure makes installing and releasing more convenient. Bagging is folded by tube plastic bags, and it can be continuously pull out. When it collects a certain amount of dust, user can seal the bag by cable ties (refer to the picture), and cut the bagging. Then user can continue using the next bag. It's very economical and practical.

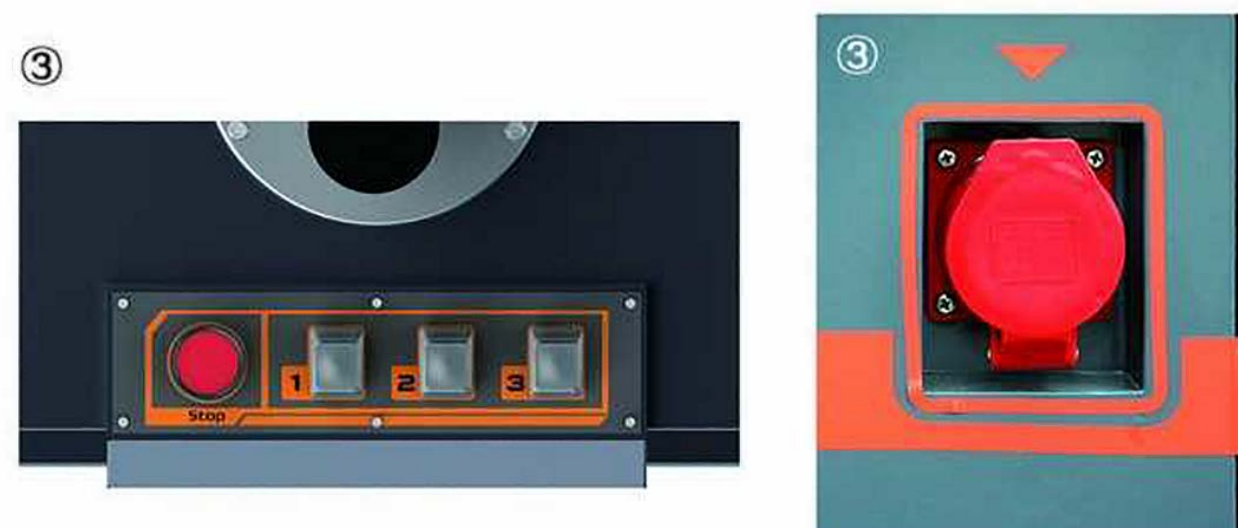
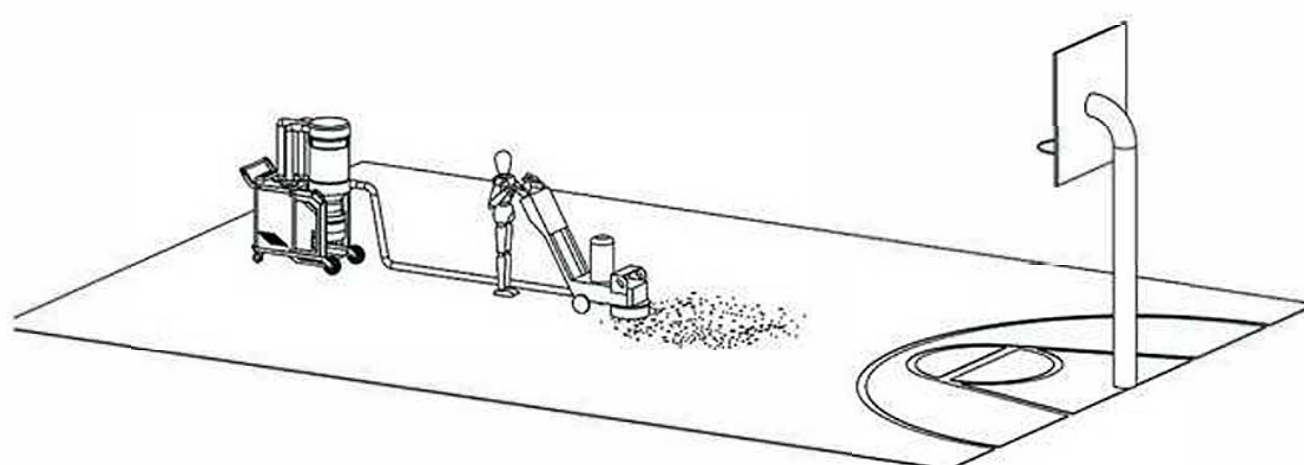
③ VFG-TS series electric control design

· The design of VFG-TS electric control panel has combined with the technology of silk-screen which has made the board looks more beautiful.

· VFG-TS series model is installed with 3pcs motor ON/OFF switches, user can adjust the air flow of the vacuum cleaner.

· VFG-TS Series vacuum adopts 4cores plug and 4cores socket which can supporting floor grinding machine very well.

EXAMPLE FIGURE



TECHNICAL PARAMETERS

Models		VFG-30TS	
Voltage (V/Hz)		220/50	120/60
Power (Kw)		3*1.2	
Max vacuum (mmHg/ kPa)		3000/29.43	
Air flow (m³/h/ CFM)		480/282.35	
Noise dB(A)		85±2	
Inlet (mm)		75	
Filter area(m²)	Filter bag	2.4	
	Filter cartridge	3*2	
Weight (kg)		160	
Dimension (mm)		1230*530*1620	
Protection level		IP54	

VFG-K Series

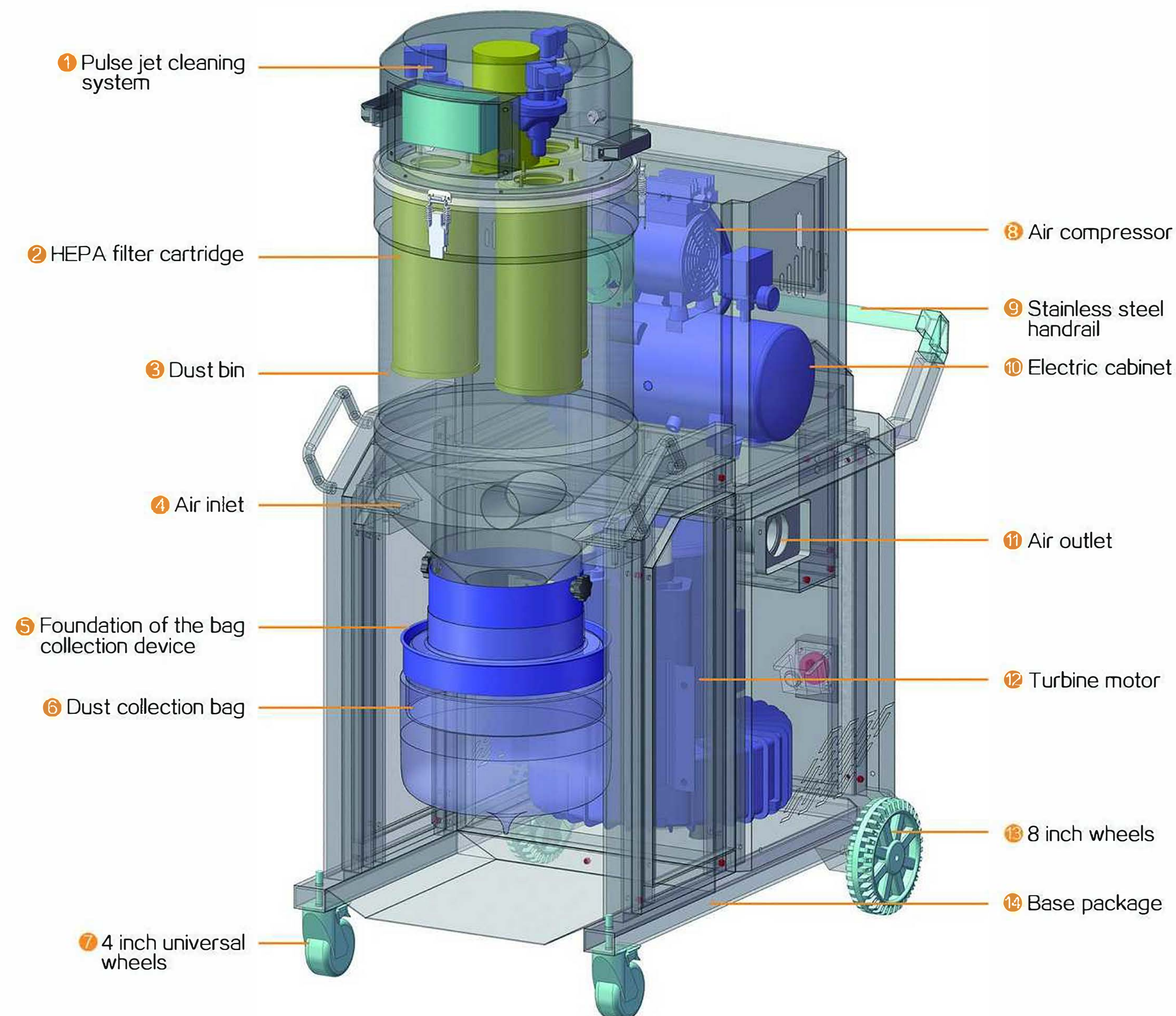
Auto Cleaning Industrial Vacuum Cleaner

APPLICATION

- Apply to the three phase working condition which requires 24h working continuously
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



SPECIALTY

① HEPA filter unit

· Adopts “TORAY” cartridge filter which imported from Japan . This cartridge filter coated with PTFE film can ensure the filter efficiency up to 99% at 0.3 μm dust, and the surface is very smooth after coated, can avoid the dust attach on the filter effectively

② Auto cleaning device

· VFG-55K adopts auto cleaning structure for the filter cartridge, it can clean the dust of the filter cartridge effectively through the compressed air.

USE MAP



TECHNICAL PARAMETERS

Models	VFG-55K	
Voltage (V/Hz)	380/50	480/60
Power (Kw)	5.5	6.3
Max vacuum (mmH ₂ O/ kPA)	3000/29.43	3000/29.43
Air flow (m ³ /h/ CFM)	530/311.76	620/364.71
Noise dB(A)	74±2	
Inlet (mm)	75	
Filter area(m ²)	5.1	
Dimension (mm)	1290*725*1660	
Weight (kg)	264	
Protection level	IP54	

VFG-E Series

Economical Type Industrial Vacuum Cleaner

APPLICATION

- Apply to the three phase working condition which requires 24h working continuously
- Apply to the superfine dust cleaning
- Apply to the concrete floor grinding&polishing industry, shot blasting, etc.



STRUCTURE DIAGRAM



SPECIALTY

① Comparison of structure

· Both of the VFG-E series and the VFG series adopts continuous plastic packing bag. But VFG-E series is more simple on the structure, so it is more flexible and economical.

② HEPA filter cartridge

· Adopt two-stage filtering units. The first stage is star shape polyester needle felt filter bag which provides a minimum efficiency of 99% dust at 1.0-3.0 μm. The secondary stage is "TORAY" cartridge filter which imported from Japan. This cartridge filter coated with PTFE film can ensure the filter efficiency up to 99% at 0.3 μm dust. PM2.5 can be removed effectively under this filter fineness.

③ VFG-E Series Cleaning Method

· VFG-E series adopts auto cleaning structure for the filter cartridge, it can clean the dust of the filter cartridge effectively through the compressed air.
 · Unique continuous disposal Longopac® bag structure makes installing and releasing more convenient. Bagging is folded by tube plastic bags, and it can be continuously pull out. When it collects a certain amount of dust, user can seal the bag by cable ties, and cut the bagging. Then user can continue using the next bag. It's very economical and practical.

④ VFG-E Series Electric Control Design

· Adopts Schneider brand electric control components
 · VFG series are equipped with the digital display pressure switch that can remind the user of cleaning the machine.
 · VFG series use the four-core socket and plug that can be well matched with the floor grinder.



TECHNICAL PARAMETERS

Models	VFG-30E		VFG-40E		VFG-55E		VFG-75E	
Voltage (V/Hz)	380/50	480/60	380/50	480/60	380/50	480/60	380/50	480/60
Power (Kw)	3.0	3.45	4.0	4.6	5.5	6.3	7.5	8.6
Max vacuum (mmH ₂ O / kPA)	2700 / 26.48	2500 / 24.52	2600 / 25.50	2600 / 25.50	3000 / 29.43	3000 / 29.43	2700 / 26.48	2700 / 26.48
Max airflow (m ³ /h / CFM)	318 / 187.06	376 / 221.18	420 / 247.06	500 / 294.12	530 / 311.76	620 / 364.71	700 / 411.76	840 / 494.12
Noise dB(A)	70±2	73±2	70±2	74±2	70±2	74±2	74±2	78±2
Inlet (mm)	75		75		75		75	
Filter area(m ²)	1.9		1.9		2.4		2.4	
Filter	Filter bag	Filter cartridge	Filter bag	Filter cartridge	Filter bag	Filter cartridge	Filter bag	Filter cartridge
	2*3		2*3		2*3		2*3	
Dimension (mm)	940*635*1500		940*635*1500		940*635*1500		940*635*1500	
Weight (kg)	136		140		152		165	
Protection grade	IP54		IP54		IP54		IP54	

VFG-CY Series

Pre- Separator

In order to avoid the filter blocking situation appeared too early, we designed the VFG-CY series cyclone separator to work with the industrial vacuum cleaner, it can catch 90-95% dust before they enter into the vacuum cleaner, so it can guarantee the high filter efficiency, and extend the working time of the vacuum cleaner and the use life of the filter unit.



TECHNICAL PARAMETERS

Models	VFG-300CY	VFG-450VY
Weight (kg)	85	106
Dimension (mm)	600*450*1600	600*660*1610

STRUCTURE DIAGRAM

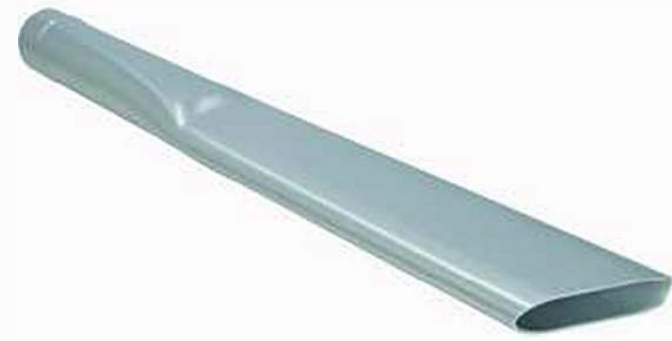


Grinder Match Recommendation

Grinder	Villo vacuums						Separator
	220/110V		220V/480V				
	1 phase		3phase				
	VFG-30TS	VFG-40	VFG-55	VFG-75	VFG-110	VFG-125	VFG-300CY
HTC 270 EG /420 VS	✓						✓
HTC 500	✓	✓					✓
HTC 650 E Classic			✓				✓
HTC 650 /800 HDX				✓	✓	✓	✓
HTC 650 /800 RX / 800 Classic				✓	✓	✓	✓
HTC 950 RX					✓	✓	✓
Husqvarna PG 280	✓						✓
Husqvarna PG 400	✓	✓					✓
Husqvarna PG 530	✓	✓					✓
Husqvarna PG 680/820			✓	✓	✓	✓	✓
Scanmaskin Scancombiflex 330/450	✓						✓
Scanmaskin Scancombiflex450 NS/500PD/500i	✓						✓
Scanmaskin Scancombiflex 650/700RC/800			✓	✓	✓	✓	✓
Scanmaskin Scancombiflex 1000RC					✓	✓	✓
Blastrac/Diamatic 435/535	✓						✓
Blastrac/Diamatic 720/780		✓	✓				✓
Prep-Master STI 3030/4430			✓	✓	✓	✓	✓
Prep-Master STI 2807	✓	✓					✓
Prep-Master STI 2420		✓					✓
Lavina 25G-S/30G-S			✓				✓
Lavina 20/25	✓	✓					✓
SASE 435	✓						✓
SASE PDG4500	✓						✓
SASE 500E /535S Super	✓						✓
STI Prepmaster 2418/2818/3038/4438 LP				✓			✓
Terrco 3100/2000LP				✓			✓

Accessories list

Aspiration flat mouth



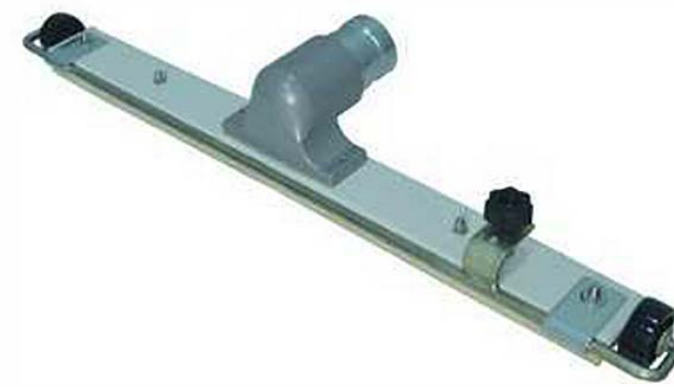
VLFT-1043
Diameter: ϕ 50MM
Length: 50CM, aluminum surface oxidation treatment
Type: Front beveling and flank beveling

Hose connector



VLPA-5011
Diameter: ϕ 50MM
Match with VLRG-5011

Water-sucking scratcher



VLFT-5022
Diameter: ϕ 50MM
Work width: 550MM
Match with Aluminium double bend VLTB-5011
Aluminum die casting, full metal accessories

Dust-sucking scratcher



VLFT-5011
Diameter: ϕ 50MM
Work width: 430MM
Match with Aluminium double bend VLTB-5011
Aluminum die casting, full metal accessories

Hose connector



VLTB-1037
Diameter: ϕ 50MM
Dimension: ϕ 50MM*130MM
Match with suction hose VLRG-5011

Round brush



VLFT-5031
Diameter: ϕ 50MM
Match with suction hose VLRG-5011

Floor brush



Diameter: ϕ 50MM
Match with suction hose VLRG-5011

S shape Aluminium double bend



VLTB-5011
Diameter: ϕ 50MM
Gray dusting aluminium hose
With the brush connector, can match with VLFT-5011 or VLFT-5022

Connection extension tube



VLTB-1204
Diameter: ϕ 50MM
Length: 100CM, aluminum surface oxidation treatment
The tube can connect end to end and reach 900CM

Accessories list

Suction hose VLRG-5011



F type Quik fitting



B type Quik fitting



Stainless steel fastener



Switch of the Negative pressure



Gas detector



Vacuum negative pressure meter



Wall valve (with proximity switch)



Relief valve

