

VJFGB Series

Moderate High Pressure
Explosion Proof Dust Collector



• 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

It is suitable for process such as mixing, cutting, bagging, grinding, sandblasting, plexiglass processing, vibrating screen, air transportation, packaging operation, etc.



• 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.

• 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-1.5	VJFGB-2.2	VJFGB -3.7	VJFGB -5.5	VJFGB -7.5	VJFGB-11W	VJFGB-15W
Voltage (V / Hz)	380 / 50						
Power(kW) / (HP)	1.5 / 2.0	2.2 / 3.0	3.7 / 5.5	5.5 / 7.5	7.5 / 10	11 / 15	15 / 20
Max air flow (m ³ /h) / (CFM)	1200 / 706	1980 / 1165	2880 / 1694	3000 / 1765	3600 / 2118	3900 / 2294	5400 / 3176
Max air pressure (Pa) / (mmH ₂ O)	2000 / 204	2400 / 245	3800 / 387	4000 / 408	4000 / 408	5000 / 510	5000 / 510
Filter efficiency	99%						
Filter area (m ²) / (sq.ft)	11 / 118	22 / 237	22 / 237	44 / 474	44 / 474	44 / 474	66 / 710
Filter cleaning method	Pulse jet						
Air inlet Dia. (mm) / (in)	Ø 100 / 4	Ø 150 / 6	Ø 200 / 8	Ø 200 / 8	Ø 200 / 8	Ø 250 / 10	Ø 250 / 10
Dimensions【LxWxH】(mm) / (in)	750*700*1750 / 29.5*27.6*68.9	900*800*1850 / 35.5*31.5*72.9	900*800*1850 / 35.5*31.5*72.9	1000*900*1950 / 39.4*35.5*76.8	1000*900*1950 / 39.4*35.5*76.8	2460*1405*2610 / 96.9*55.3*102.8	2730*1870*2890 / 107.5*73.7*113.8
Anti-explosive level	ExdIIBT4						

*Note: The mentioned values of Airflow and the Pressure may vary slightly with change in air inlet size.