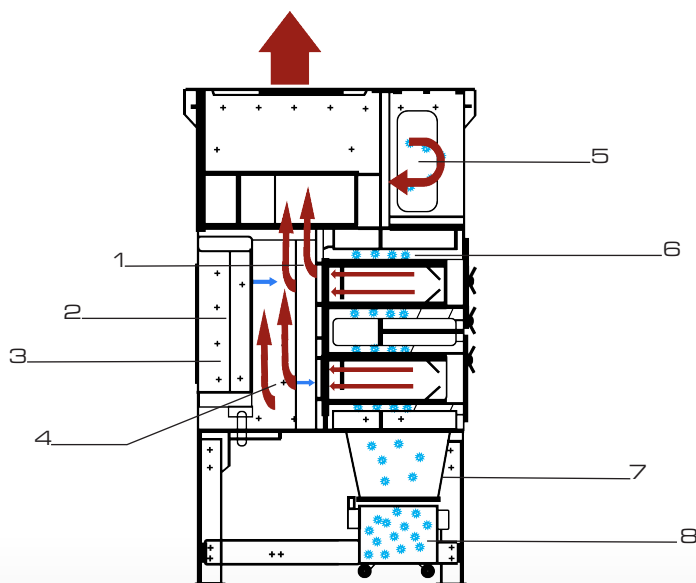




INDUSTRIAL Laser Dust Collector

INDUSTRY LEADING
**1 YEAR
 WARRANTY**

When polluted air enters through the inlet, it is immediately disrupted by a spoiler, which reduces the speed of the airflow. The strong suction from the turbine fan creates negative pressure, helping to pull the air through the system. As the airflow slows down, heavier dust particles fall into a collection area due to gravity—this acts as a pre-filtration stage. The finer, lighter dust then moves into the filter chamber, where it collects on the surface of the filter element. Finally, the clean air passes through the filter into the clean air chamber and is expelled through the exhaust pipe by the fan.



1.	Filter Housing
2.	Air Storage Tank
3.	Electromagnetic Pulse Valve
4.	Pulse Back Blowing Compressed Air
5.	Air Inlet
6.	Filter Element
7.	Dust Funnel
8.	Dust Bucket

SPECIFICATIONS			
Breaker Requirements	50 AMPS	Outline Dimensions	A - 2837mm B - 1423mm C - 1180mm D - 383mm
Air Volume	3600 cfm	Unit Weight	1,984 lbs.
Number of Filters	6	Power Requirements	Three-Phase Four - Wire, 208 3P/WYE
Filtration Efficiency	99.99%	Emission Concentration	<10
Filtering Area	120m ²	Controller	Independent R&D
Air Blower	7.5W Siemens	HMI	LCD
Collector Capacity	50L	Motor	SIEMENS
Backflush Valve	Pulse Control	Energy Saving (Optional)	Invertal Control
Filter	HV/Ahlstrom/TORAY / SBFEC	Protocol	EtherCAT

