

Sweeper

The new type of dust collector
acknowledged in the world
with automatic filter cleaning function



S Samhyun Industries Co., Ltd.



Greetings

IH Korea specializes in spraying molten metal and has seen much fume and dust during the production process. We have purchased facilities from various dust collector makers in Korea, but none of them was able to resolve our dust issue. As a result of 20 years of research and development internally, we have successfully developed a new type of dust collector.

As the new technology has been acknowledged and patented in Korea, Japan, USA, and China, we have started a new business to help other companies that are struggling with air pollutants.

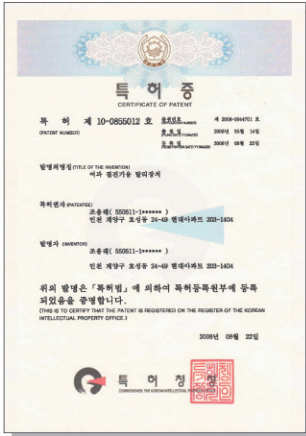
Please contact us and we can give you a proposal based on the general engineering of the new facility. If your current dust collector has a problem, we will install our tester unit for enough testing and data to recommend the best type of dust collector for your company.

We promise the best technology and the premium service so you can enjoy your new dust collector without any problems.

President *Yong Rae Cho*

Patents

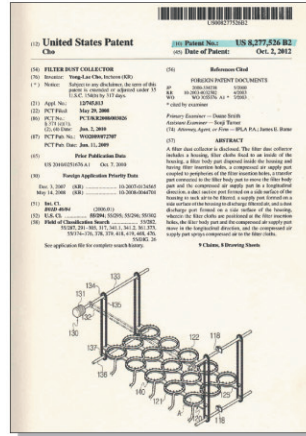
"The new type of dust collecting technology acknowledged in the world"



Patent in Korea
No. 10-0855012



Patent in Japan
2009-544815



Patent in USA
US 8,277,526 B2



Patent in China
ZL 2008 8 0119127.8

Basic Principles and Characteristics

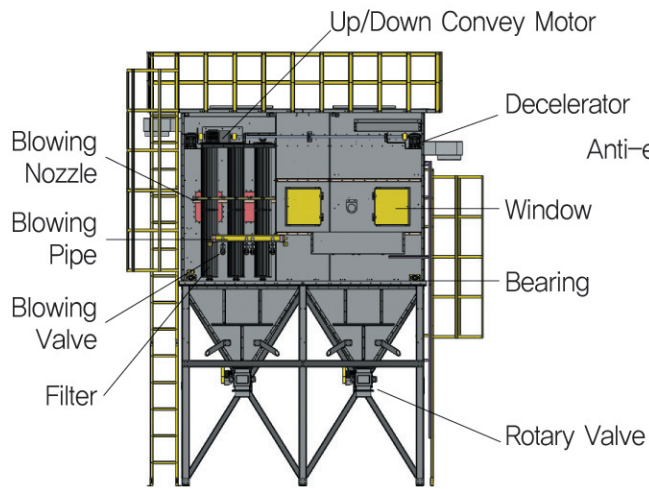
Principles of Sweeper

The current filter-type pulse system filters the pollutants on the outside by creating a reverse flow inside and it is actually impossible to completely remove all pollutants during the 1-2 seconds of pulsing time. If the pollutants are not completely removed, the filter will be clogged and the dust flows back to the worksite. Our sweeper is engineered to resolve this problem. When the reverse flow forms inside, the air is injected through the blowing pipe on the outside and moves up and down to completely remove the pollutants on the outside of filter to keep the filter clean at all times.

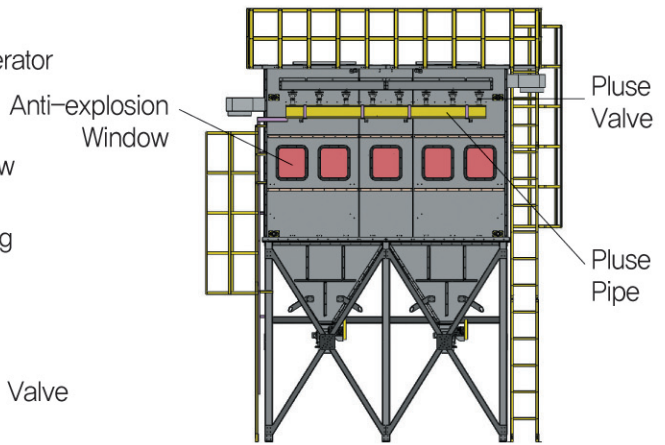
Characteristics of Sweeper

1. The pollutants on the filter are completely removed with the air nozzle to keep the filter clean at all times.
2. The sweeper is not welded, but fully assembled for galvanizing and spray-painting, so it will not corrode even when installed outdoors.
3. The lead time is short and we can meet the delivery date.
4. The sweeper is maintenance-free as it does not require filter replacement.

Names of Components



<Front Side>

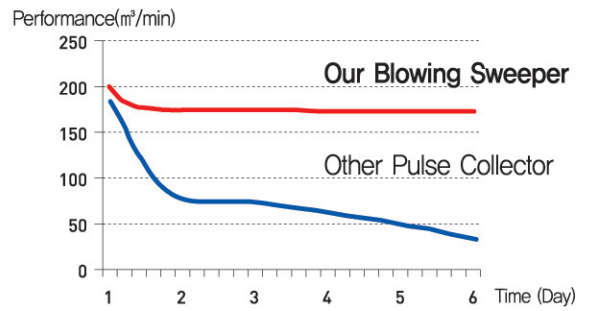


<Rear Side>



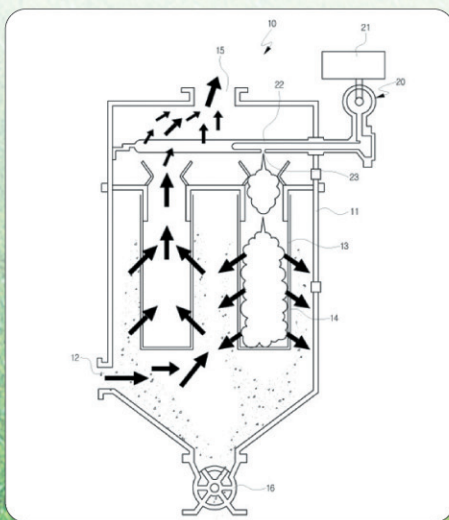
Monitor
Electric Meter

<Outdoor Panel>

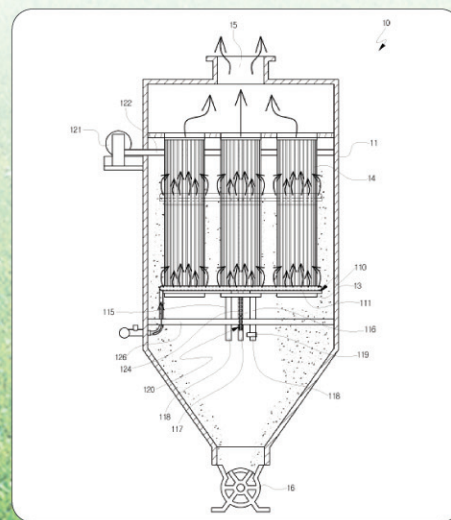


<Performance Comparison>

Detailed View of Operation Principle



• Other Pulse Collector •



• Our Blowing Sweeper •

■ Does your dust collector have a **problem**?

Available Models

Model No	Filter Specs	Filter Quantity	Filter Area		Dimension
			PE Filter	Cellulose Filter	
SWPB-32	ø250×2000	32 EA	768 m ²	1,536 m ²	4418(W)×3689(D)×6514(H)
SWPB-20	ø250×2000	20 EA	480 m ²	960 m ²	3366(W)×3689(D)×6514(H)
SWP-55	ø200×2000	55 EA	440 m ²	880 m ²	4418(W)×3689(D)×6514(H)
SWP-35	ø200×2000	35 EA	280 m ²	560 m ²	3366(W)×3689(D)×6514(H)
SWP-24	ø200×2000	24 EA	192 m ²	384 m ²	2879(W)×3210(D)×6514(H)

※ Other specifications can also be custom-built.

SWPB-32



SWPB-20



SWP-24



Example of Installation

Assembly Process



Start-up



Operation



Fabrication Site



Example of Our Use

– Currently operating 12 units

We use our sweepers to gather data for our research and development.



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We guarantee 3-year service for all of our products.

S Samhyun Industries Co., Ltd.

61-18 52 beon-gil Songma-ro Daegot-myeon Gimpo-si, Gyeonggi-do, Korea

TEL 82-31-988-1538 FAX 82-31-624-1539

Contact person Manager Hyun Jin Cho (82-10-9020-1861)