

# DF SERIES

## Spray Booth - High Volume Dry Filter System

### Summary of DF series Advantages

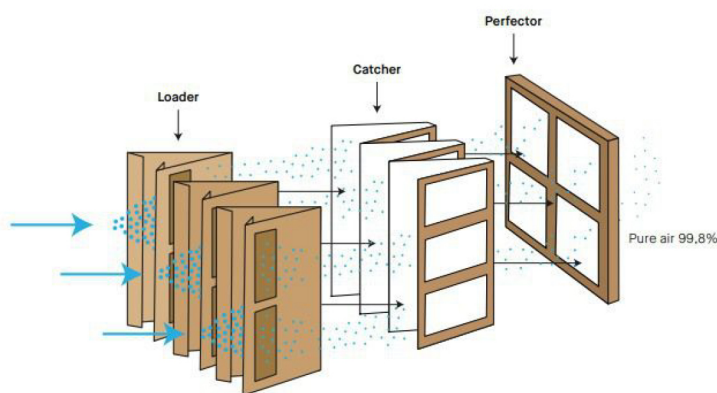
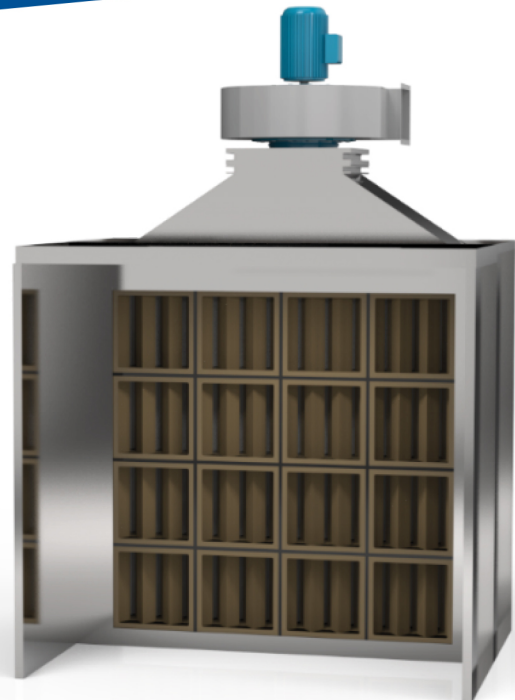
#### Economical and Cost Savings

DF Series is an improved series from the DB Series. The series is ideally suited for high volume spray operations.

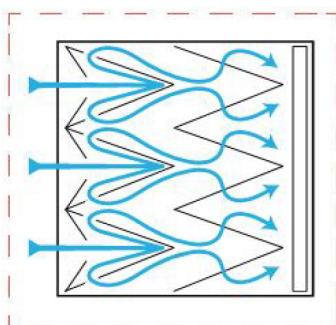
#### Completely knock-down structure.

##### More convenience to move and re-install

Almost every part of the booth is knock-down from the factory. The panel is pre-punched and ready to do final assembly at customer's site. The booth is designed to easily disassembly whenever it's needed.



#### Airflow



### How DF Series works?

DF series spray booth has no washing chamber. Instead, the fan draws overspray into a filter box at the back of the booth. This traps the paint and allows clean air to be exhausted. The disposable filter box use principle of inertia separation. The overspray suffers several radical changes in direction.

The paint particles, heavier than air, are projected out of the air stream. A DF series spray booth has a holding capacity 6 times higher than a DB series spray booth. The filter box has a long life but when it is fully laden with paint. It can be individually replaced unit by unit.

### Our Technology

- **Loader**  
At first, the Loader will filter 74% of the paint.
- **Catcher**  
Then, the Catcher will stop 24% of the extra paint thanks to its polyester filter.
- **Perfector**  
And finally, the Perfector will sharp the last particles to have a 99.8% pure air.

## How DF Series works?

Holding Capacity up to 120 kg / m<sup>2</sup> \*\*

Filtration Efficiency up to 99.45% \*\*

Optimized using conditions

- Recommended air velocity  
0.5 - 2 m/s
- Initial Pressure Drop  
20 - 130 Pa depend on the air velocity
- Max. Pressure Drop  
800 Pa



NEW



FULL



## Specification Sheet

| Model   | Size (m.)             | Exhaust Fan          |        |           |       | No. of Filter |      |
|---------|-----------------------|----------------------|--------|-----------|-------|---------------|------|
|         |                       | Air Flow @ 0.6 m/sec | Static | Motor     | Q'ty  | Q'ty          | Q'ty |
|         |                       | CMM (CFM)            | mm. Wq | kW (HP)   | (Set) |               |      |
| DF - 15 | 1,500 x 2,000 x 2,100 | 108 (3,900)          | 100    | 5.5 (7.5) | 1     | 12            |      |
| DF - 20 | 2,000 x 2,000 x 2,010 | 144 (5,100)          | 100    | 7.5 (10)  | 1     | 16            |      |
| DF - 30 | 3,000 x 2,000 x 2,100 | 216 (7,700)          | 100    | 15 (20)   | 1     | 24            |      |

