

WPA BX6 Paint Box

Product Overview

- ① Up to 20kg paint holding capacity
- ② Low Initial pressure $\leq 5\text{Pa}$, recommended final pressure drop 800Pa
- ③ Suitable for a wide air flow range form 500m³/h to 2000m³/h
- ④ Can be incinerated thoroughly

Customer Benefits

- High efficiency to capture paint mist, protect the next filters for longer life time, reduce the overall cost of the filter.
- High capacity, long service life.
- Low initial pressure to 5 Pa, the pressure drop rises gently, which reduces energy consumption.
- Optimised the settlement wind speed, wind direction balance and air intake uniformity of each filter unit under different air volume.
- Paper filter element is convenient for incineration and environmental protection.

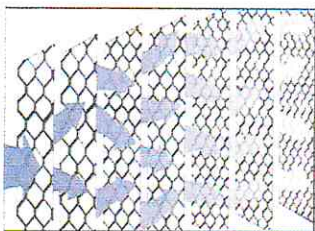


Product Features

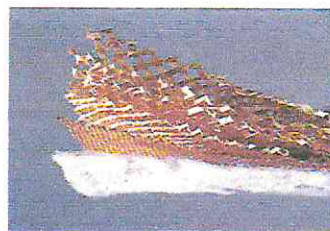
- Multi-layer filtering medium is adopted, the intake side is larger than the exhaust side, which forms an incremental structure, increases the filtering depth, improves the paint holding capacity per unit area, and thus prolongs the service life of the product.
- Flexible adjustment of product process according to customer requirements, "V" structure and multi-layer filter material combination, to meet all kinds of paint application occasions.
- A variety of filter paper slit collocation, suitable for different working conditions.
- The laying mode of different direction of each filter media layer can form a unique airflow mode, increase the airflow winding path, and ensure the efficiency of paint mist capture up to 98%.
- Good water resistance, stable structure, not easy to deformation.
- Silicone free, especially suitable for paint booth.
- Fire retardant: DIN5510-2: 2009, DIN4102-1.

Application

- Collect and capture the paint mist produced in the process of painting and the paint mist in the waste gas treatment, especially suitable for the environment with large painting quantity and long painting time.
- It can effectively capture the solid coatings, powder coatings, waterborne coatings and solvent coatings.
- It is suitable for front-end paint mist collection of VOC waste gas treatment, which can effectively capture solid particles and liquid viscous substances in VOC gas, and extend the service life for next process filter and VOC system.



Paint mist flow illustration



Diversified configuration of filter element



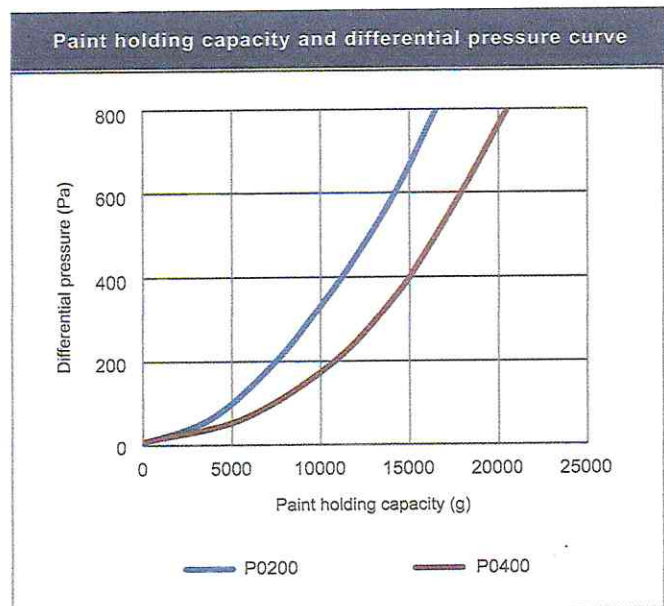
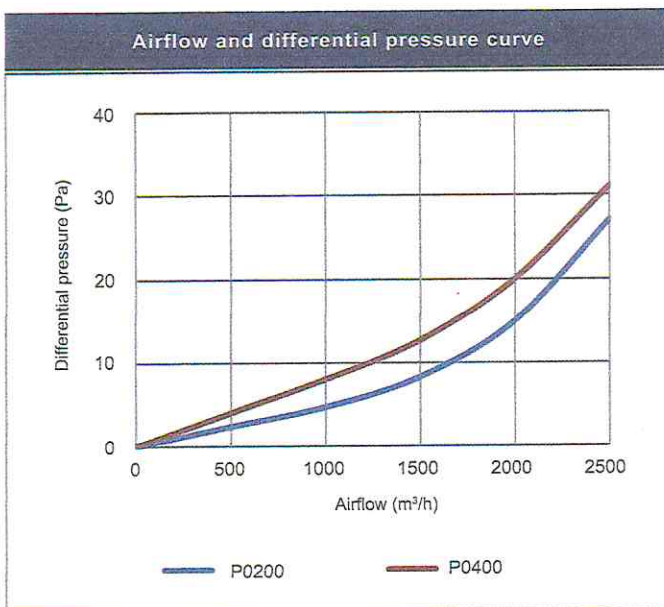
Spray paint samples after test

SIAM FILTER SOLUTIONS CO.,LTD.

WPA BX6 Paint Box

Technical Data

| Parameter | Unit | P0200 | | P0400 | |
|--------------------|-------------------|------------------------|------------------------|-----------------|-----------------|
| | | | | | |
| Nominal dimension | mm | 500 x 500 x 500 | 500 x 500 x 300 | 500 x 500 x 500 | 500 x 500 x 300 |
| Actual dimension | mm | 486 x 486 x 486 | 486 x 486 x 286 | 486 x 486 x 486 | 486 x 486 x 286 |
| Structure | - | 3V | 3V | 3V | 3V |
| Surface area | m ² | 1.5 | 1.0 | 1.5 | 1.0 |
| Weight | kg | 2.45 | 1.8 | 2.45 | 1.8 |
| Airflow | m ³ /h | 2000 | 1500 | 2000 | 1500 |
| Initial pressure | Pa | 15 | 15 | 20 | 20 |
| Capture efficiency | % | 98 | 98 | 98.6 | 98.6 |
| Recommended paint | - | Base coat / Color coat | Base coat / Color coat | Clear coat | Clear coat |
| Relative humidity | % | ≤100 | ≤100 | ≤100 | ≤100 |
| Heat resistant | °C | ≤60 | ≤60 | ≤60 | ≤60 |



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