

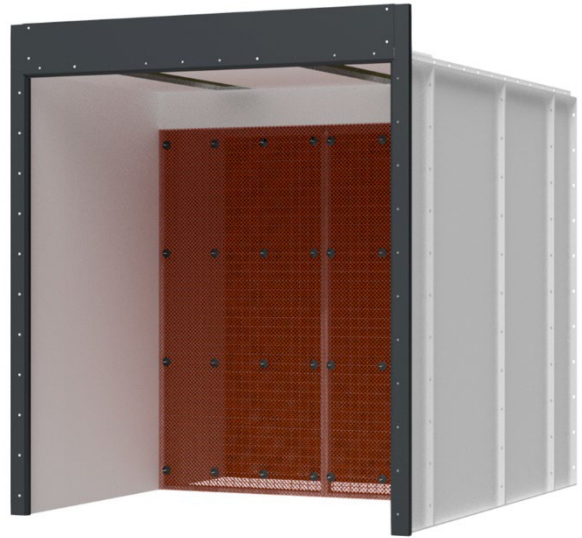
## ECO SPRAY BOOTH 2000

The ECO Spray Booth 2000 incorporates a two-step filtration system where CI filters are standard. Five different types of CI filters are available. The ECO Spray cost-effective, while generating minimal particle exhaust emissions. This is made possible by using the standard and high-capacity standard CI filters at the first step of the filtration process extracting large particles of over sprayed paint.

They can achieve 90-98% separation, depending on the paint type.

The second filtration step employs the Eurosupra II filter that captures any remaining particles.

This second step achieves 90-98% separation, again depending on the paint type. Ultimately, only minimal particulate matter remains in the air.



Both filters are easily accessible via an extra service door. It is easy to see how much quicker filter changes are with the ECO Spray Booth 2000 in comparison with other conventional spray booths. In many cases, the ECO Spray Booth 2000 can supersede booths using water separation technology. Our booths have comparable separation rates, but also lower service costs. The cabinet section is fitted with LED light fixtures (ATEX classification 3G/zone 2) that provide 700-800 lux at working height. The LED light fixtures are recessed into the cabinet's ceiling and have protective glass flush with it.

Composed of modular sections, the booths can be customized to meet individual customer needs including:

- Raised cabinet (working area)
- Telfer track
- Conveyor throughput with an opening for adjusting goods on the side of the booth
- Deeper cabinet (working area) with covered front, doors and an air intake filter.

### **HE (High Efficiency) Filter Section**

Where extremely high separation rates are required, e.g., in high density industrial or residential areas, the ECO Spray Booth 2000 can be equipped with an additional filter step.

The HE-filter section has a service door for quick, easy filter service and is also fitted with a high-quality filter arrangement to provide very high separation.

### **Exhaust ventilator**

Exhaust ventilator is not included in the delivery. It has to be chosen from separate product specification and adapted to air flow and pressure drop at actual installation.

The given air flow in the table is adapted to EN 12215 for manual painting. Air speed in the booth opening shall be 0,5 m/s.

### **Pressure differential over clean filters**

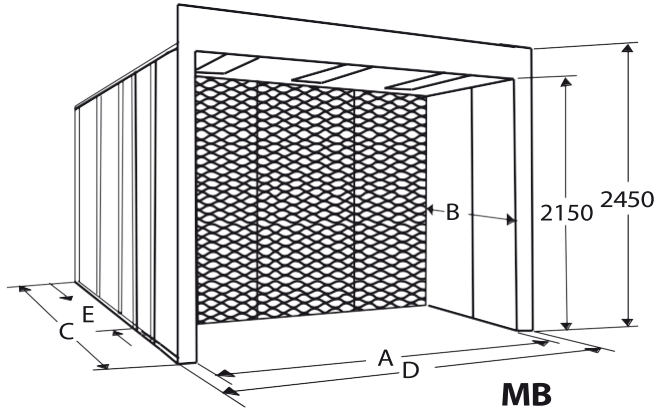
Filter 1 = 4 Pa

Filter 2 = 10 - 13 Pa

Filter 3 = 125 Pa

## Final pressure drop

Filter 1 = 125 Pa  
 Filter 2 = 125 Pa  
 Filter 3 = 250-300 Pa



Type	Measurement in [mm] acc. to the diag.					Rec. air-flow [m <sup>3</sup> /s]	Lighting		
	A	B	C	D	E		No. of fittings	Output [Lm]each	Classif. Zone
MB-200	2000	1400	2650	2200	1200	1,7	2	5000lm	Zone 2
MB-240	2400	1400	2650	2600	1200	2,1	3	5000lm	Zone 2
MB-300	3000	1400	2850	3200	1400	2,6	3	5000lm	Zone 2
MB-340	3400	1400	2850	3600	1400	2,9	4	5000lm	Zone 2
MB-400	4000	1400	2850	4200	1400	3,4	4	5000lm	Zone 2
MB-440	4400	1400	2850	4600	1400	3,8	5	5000lm	Zone 2
MB-500	5000	1400	2850	5200	1400	4,3	5	5000lm	Zone 2