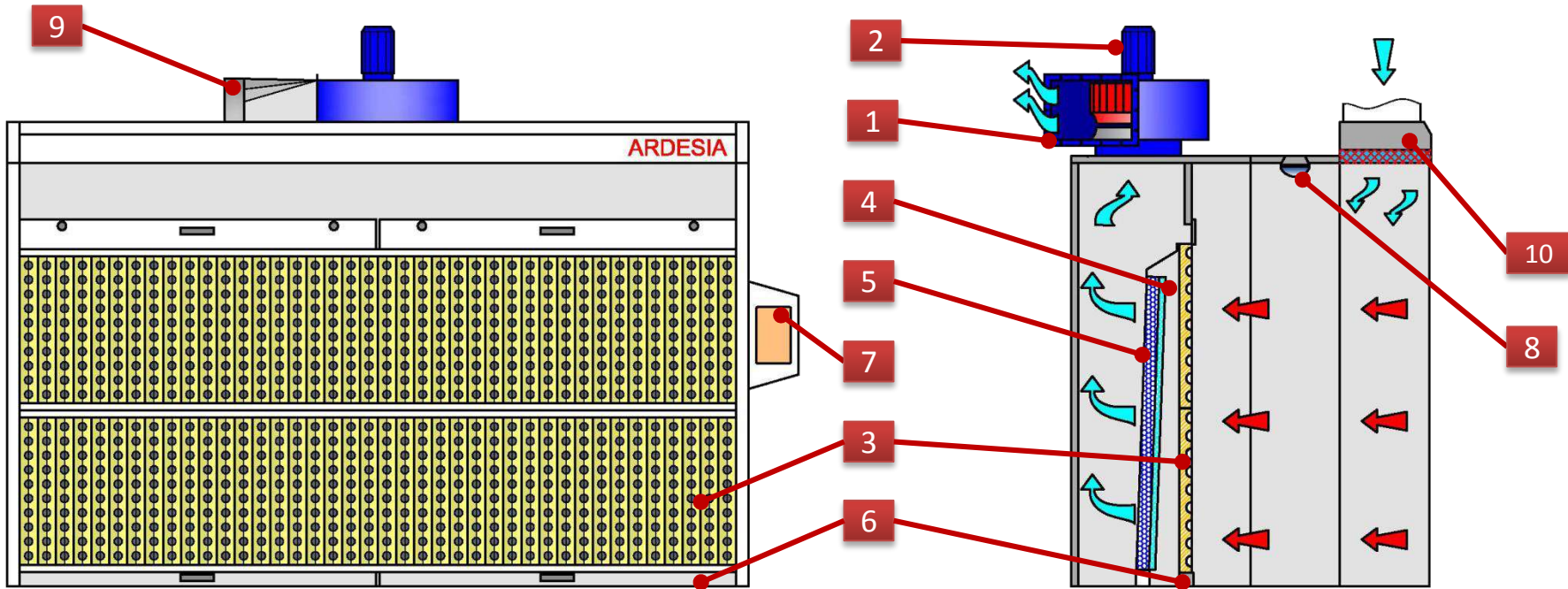




**ACTIVE SOLUTIONS BETWEEN
INDUSTRY AND AMBIENCE**

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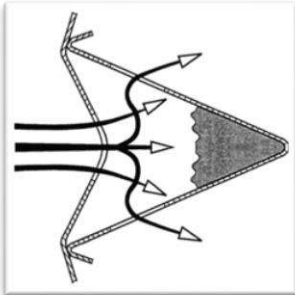
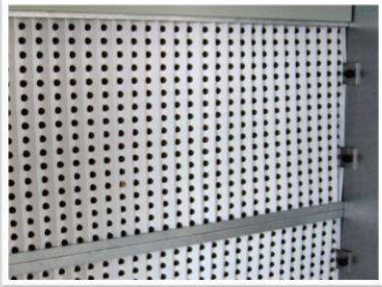
**DESCRIPTION:**

This type of painting booth is suitable for suctioning and demolishing the pigments and fumes emitted by paint-spray made with synthetic solvents, organic and water. The removal of the pigments and fumes occurs with a suctioning wall of cardboard inertial filter, a second filtration with "Paint-Stop" acrylic filter and a third filtration with active carbon. The paint booth is built with modular panels of galvanized press-folded sheet-iron.

EQUIPMENT:

1. Antispark centrifugal electrical fan
2. Energy-saving electric motor IE2
3. Frontal cardboard inertial filters
4. "Paint-Stop" filter
5. Metallic drawers with active carbons
6. Dust collecting drawer
7. Wired electrical panel IP 55 with timer
8. Wired ceiling light IP 65
9. Change section
10. Integrating air inlet filter (optional)

CARDBOARD INERTIAL FILTER



The cardboard filter uses the principle of inertial separation.

The flow of air, filled with particles to be eliminated, undergoes many and continuous changes of direction. The particles of paint, heavier than the air, are deposited in the bags of the filter, that will saturate only when these bags are completely filled with paint.

The inertial filters have self cleaning holes allowing the passage of large volumes of air with low pressure drop and to control the flow of air.

TECHNICAL CHARACTERISTICS :

Crossing speed, m/sec	0,3-0,75
Product density, mm	65
Thickness, mm	900
Initial pressure drop, Pa	30
Maximal operating temperature, °C	180
Arresting gravametric average, %	90 – 98
Classification (EN 779)	G4
Flame(U.L.2-697A)	2

“PAINT-STOP” FILTER



The filter “Paint Stop” is built with long fibers of glass, finished with synthetic resins and distributed with gradual density in the direction of the air flow. It has good resistance to high temperature and strong capacity of accumulation of dust, it is especially suitable for the collection of surplus paint (over-spray). It is used in metal frames.

TECHNICAL CHARACTERISTICS :

Product density, gr/m2	250
Thickness, mm	50
Initial pressure drop, Pa	30
Maximal operating temperature, °C	120
Arresting gravametric average, %	87
Classification (EN 779)	G3
Flame(DIN 53438)	F1

ACTIVATED CARBON FILTERS

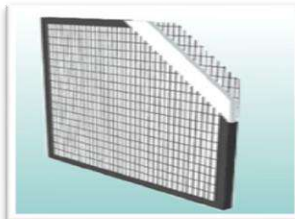


Cells with activated carbon are used to absorb pollutants and volatiles elements and smell present in the air to be treated. The frame is made of galvanized sheet with stretched galvanized net sheet containing activated carbon in the cylinders. They have a very extensive internal surface which gives the product a power of very high absorption over a large variety of substances.

TECHNICAL CHARACTERISTICS :

Dimensions, mm	1620 x 500
Thickness, mm	40
Capacity, kg	20
Cylinder diameter, mm	3,8
Density, kg/m3	550
Bagging humidity, %	2
Air speed, m/sec	0,3-0,4
Pressure drop, kpas/m	1,5 – 2,1

INTEGRATING AIR INLET FILTER (Optional)



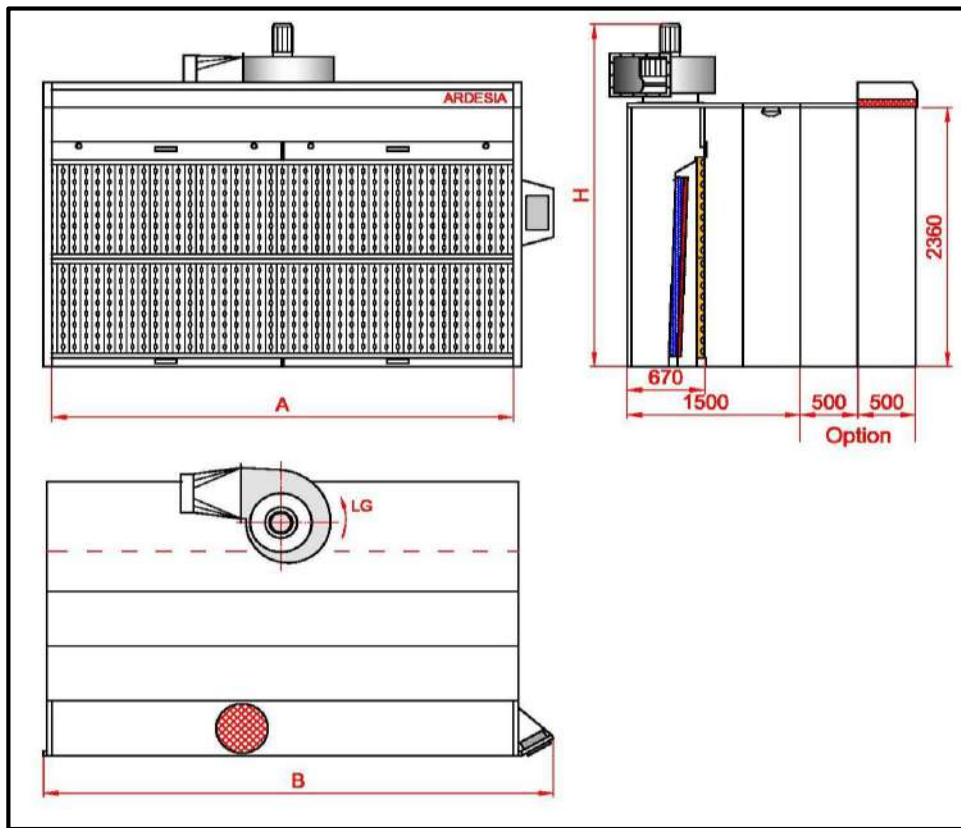
The synthetic filter is used for filtration of dust, it consists on polyester fiber thermal-cross-linked, it has a high capacity to stop powders with low pressure drop.

It is not toxic, unassailable by microorganisms and chemical products.

TECHNICAL CHARACTERISTICS:

Product density, gr/m2	100
Thickness, mm	6 – 9
Initial pressure drop, Pa	15
Maximal operating temperature, °C	100
Arresting gravametric average, %	80
Classification (EN 779)	G2
Flame(DIN 53438)	F1

MODEL: KARBON



Model	A Width, mm	B Length, mm	H Overall height, mm	Illuminati on, N x Wt	Quantity active carbon, kg	Exhaust fan, power, kW	Nominal air flow m ³ / h
KARBON -2	2000	2450	3180	2 x 58	88	1,5	8000
KARBON -3	3000	3450	3250	2 x 58	132	2,2	11000
KARBON -4	4000	4450	3300	2 x 58	176	4,0	15000
KARBON -5	5000	5450	3250	4 x 58	220	2,2+2,2	22000
KARBON -6	6000	6450	3250	4 x 58	264	3,0+3,0	25000