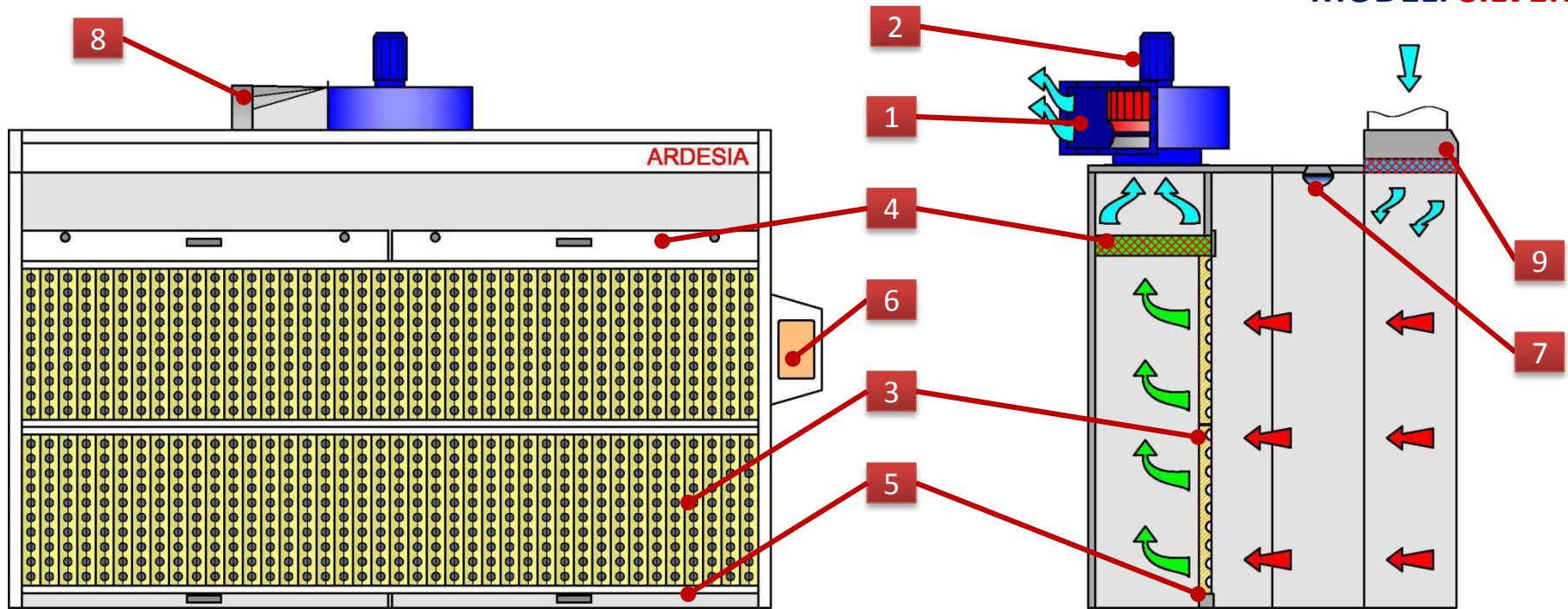




**ACTIVE SOLUTIONS BETWEEN  
INDUSTRY AND AMBIENT**

**ARDESIA SRL** via Prato delle valli 58, 47892 – Aquaviva, Repubblica di San Marino  
Tel: +378.0549 999403 Fax: +39.0541 1811003 info@ardesiarsrl.net [www.ardesiarsrl.net](http://www.ardesiarsrl.net)  
The content of this brochure is for illustration and advertising. Ardesia Srl reserves the right to make any necessary change to improve the products.

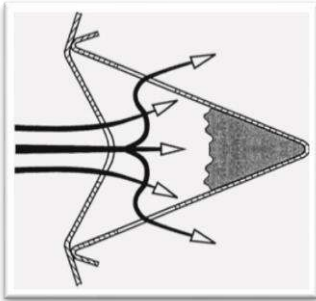
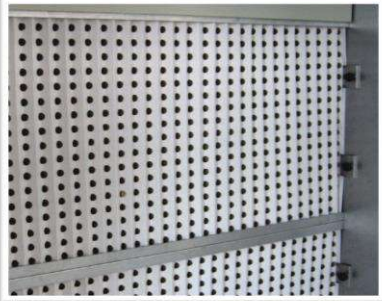
**DESCRIPTION:**

This type of painting booth is suitable for suctioning and demolishing the pigments and fumes emitted from paint spray made with synthetic solvents, organic water. The removal of the pigments and fumes occurs with a suctioning wall of cardboard inertial and a second filtration with "Paint-Stop" filters drawers. 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. Metallic drawers with "Paint-Stop" filter
5. Dust collecting drawers
6. Wired electrical panel IP 55 with timer
7. Wired ceiling light IP 65
8. Change section
9. Integrating air inlet filter (option)

## CARDBOARD INERTIAL FILTERS



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

## METALLIC DRAWERS WITH “PAINT-STOP” FILTER

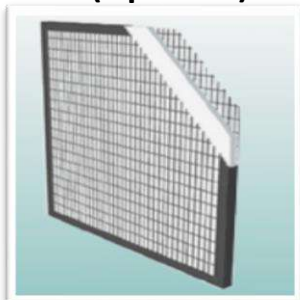


The filter “Paint Stop” is built with long fibers of glass, finished with synthetic resins and distributed with gradual density in the direction of the air flow. It has good resistance to high temperature and strong capacity of accumulation of dust, it is especially suitable for the collection of surplus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

## INTEGRATING AIR INLET FILTER (Optional)



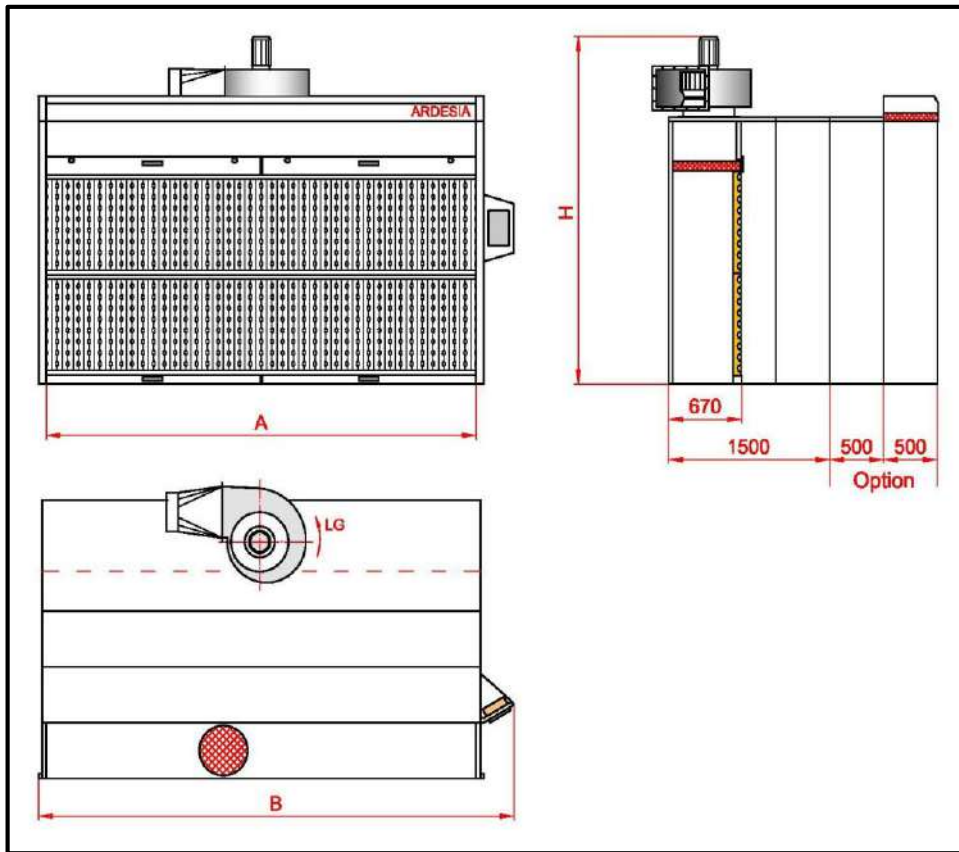
The synthetic filter is used for filtration of dust, it consists on polyester fiber thermal-cross-linked, it has a high capacity to stop powders with low pressure drop.

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: SILVER



Model	A Usable width, mm	B Overall width, mm	H Overall height, mm	Illumination, N x Wt	Exhaust fan, power, kW	Nominal air flow m <sup>3</sup> / h
SILVER-2	2000	2450	3180	2 x 58	1,5	8000
SILVER-3	3000	3450	3250	2 x 58	2,2	11000
SILVER-4	4000	4450	3300	2 x 58	4,0	15000
SILVER-5	5000	5450	3250	4 x 58	2,2+2,2	22000
SILVER-6	6000	6450	3250	4 x 58	3,0+3,0	25000