

# ClassicLine Manual Coating Booths

Compact, flexible, powerful

Manual booths by ITW Gema are ideal for the entire manual coating range from small batches to big single items. With its modular structure, the range of booths includes a perfect solution for every need. Moreover, ATEX-compliant components guarantee top safety.

The air exhaust unit can be fitted optionally with 2 or 4 filter cartridges. These filter cartridges are monitored by the integral control to safeguard the minimum exhaust air volume at all times. Highly efficient jet cleaning systems are used to clean the filter cartridges.

The easy-clean booths have low noise emission levels (<78dBA) and provide an impressively high and reliable extraction capacity.



ClassicStandard 2



ClassicOpen



ClassicStandard 4



Classic Exhaust Air Unit

## Overview of technical data

	ClassicOpen	ClassicStandard 2	Classic Air exhaust unit 2	ClassicStandard 4	Classic air exhaust unit 4
Number of filter elements	4	2	2	4	4
Exhaust air volume, nominal (Nm <sup>3</sup> /h)	6,600	4,000	4,000	6,600	6,600
Working range (Nm <sup>3</sup> /h)	5,500 – 6,300	3,000 – 3,800	3,000 – 3,800	5,500 – 6,300	5,500 – 6,300
Connected load	4.1 kW	2.3 kW		4.1 kW	
Motor power max.	4.0 kW	2.2 kW	2.2 kW	4.0 kW	4.0 kW
Voltage/Frequency	3 x 380 – 420V / 50Hz				
Maximum compressed air consumption for filter cleaning	15 Nm <sup>3</sup> /h / 6[bar] intake pressure				
Noise emission(dBA)	< 78 dBA				
Weight (approx.)	635kg	580kg	445kg	625kg	475kg
Collecting hopper		80 l	80 l		
Appliance dimensions outside:					
Width (mm)	2,465	1,463	1,463	1,463	1,463
Depth (mm)	2,390	1,940	0,940	1,940	0,940
Height (mm)	2,810	2,810	2,810	2,810	2,810

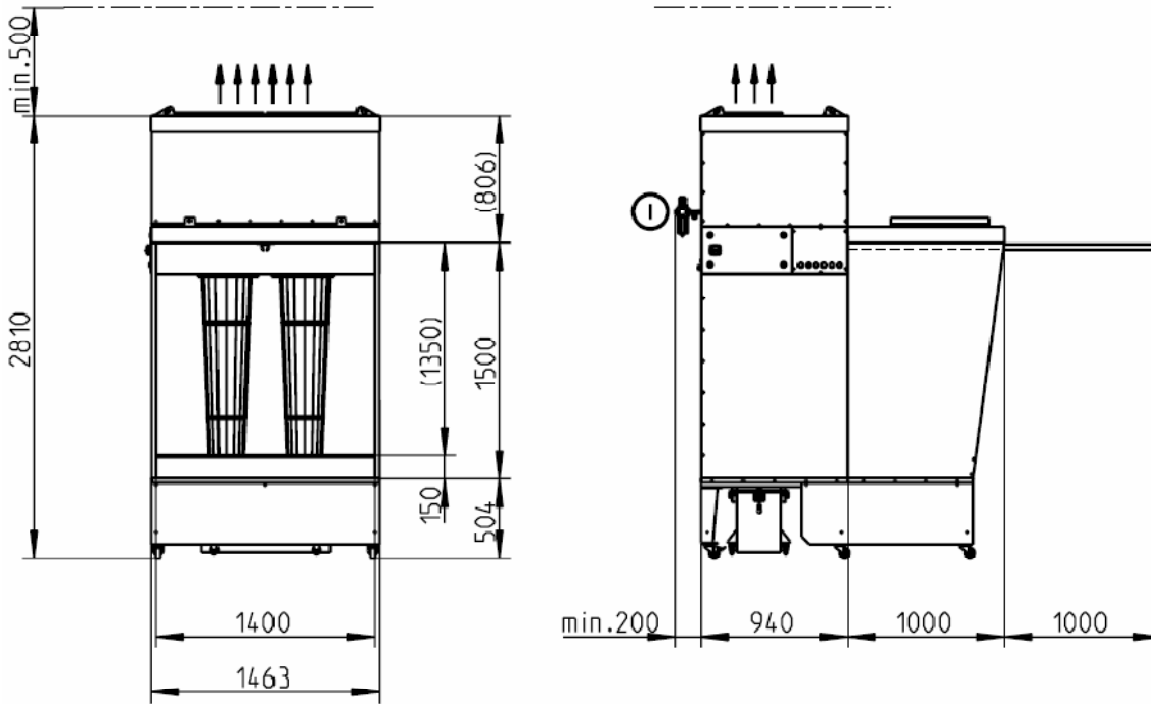
Atex compliant!

## ITW Gema Booth Type ClassicStandard 2

The manual booth is ideal for manual coating of small batches, single parts or repairs.



### Technical data ClassicStandard 2:



Exhaust air volume, nominal 4,000 [m<sup>3</sup>/h]

Working range 3,000 – 3,800 [m<sup>3</sup>/h]

Max. compressed air consumption for filter cleaning 15 [m<sup>3</sup>/h]

Compressed air connection ½" internal thread

Connected load 2.3 [kW]

Max. motor power 2.2 [kW]

#### Booth dimensions, outside:

Width 1,463 [mm]

Depth 1,940 [mm]

Height 2,810 [mm]

Coating aperture W x H 1,400 x 1,350 [mm]

Noise emission (standardized measurement at 1 m in front of booth) < 78dBA

The power and compressed air connections are located at the back of the booth. Allowance must be made for them when determining the space requirement.

## Scope of supply ClassicStandard 2:

The Classic booths are delivered in the dismantled state, with the exception of the exhaust air unit, and can be assembled and brought into service by the client following the instructions for use.

### Scope of supply consisting of:

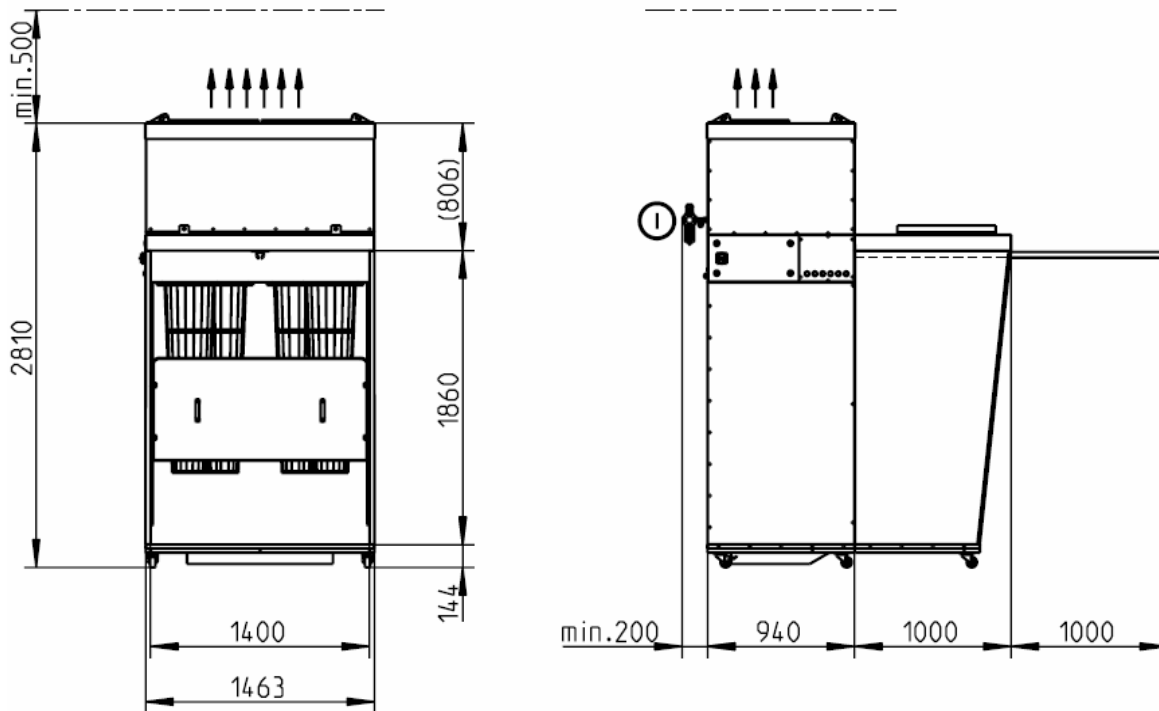
- 1 Front section of booth, comprising:
  - 1 supporting structure with booth base and powder-coated sheet steel elements, mounted on castors
  - 2 lamps
  
- 1 Exhaust air system, comprising:
  - 1 Fan housing, extractor fan with motor  
Extraction chamber with integral cleaning unit and jet cleaning nozzles. Cartridge cleaning is initiated manually and effected at intervals via the built-in control.
  
  - 2 Filter cartridges  
We use the latest generation of filter material in the filter cartridges. The conical geometry of the cartridges permits efficient cleaning of the filter elements. The cartridges are secured to the fan casing and easy to change.
  
  - 1 Collection hopper mounted on castors, capacity: 80 l  
The separated powder can be pushed manually into the collection hopper provided for this purpose via a recess in the base. The powder collection hopper is arranged below the filter cartridges.
  
  - 1 Pneumatic control  
The pneumatic control contains the filter pressure monitor, together with display and operating elements for filter cartridge cleaning.
    - 1 Compressed air connection with filter regulator unit and pressure gauge
  
  - 1 Electrical control  
The electrical control contains the main switch and possibilities for interlocking with the rest of the facility.
    - 1 Connection terminals max. 2.5mm<sup>2</sup> for power supply to booth
    - 1 Connection for fire detection sensor (to be provided by client)
    - 2 Connection terminals to feed electrostatic system
  
  - 1 2m suspension rail: 1 m arranged inside and 1 m outside the booth.

## ITW Gema Booth Type ClassicStandard 4

The ClassicStandard 4 is particularly suitable for manual coating of small batches and one-off parts



## Technical data ClassicStandard 4:



Exhaust air volume, nominal 6,600 [m<sup>3</sup>/h]

Working range 5,500 – 6,300 [m<sup>3</sup>/h]

Max. compressed air consumption for filter cleaning 15 [m<sup>3</sup>/h]

Compressed air connection ½" internal thread

Connected load 4,1 [kW]

Max. motor power 4,0 [kW]

## Booth dimensions, outside:

Width 1,463 [mm]

Depth 1,940 [mm]

Height 2,810 [mm]

Coating aperture W x H 1,400 x 1,860 [mm]

Noise emission (standardized measurement at 1 m in front of booth) < 78dBA

The power and compressed air connections are located at the back of the booth. Allowance must be made for them when determining the space requirement.

### Scope of supply ClassicStandard 4:

The Classic booths are delivered in the dismantled state, with the exception of the exhaust air unit, and can be assembled and brought into service by the client following the instructions for use.

#### Scope of supply consisting of:

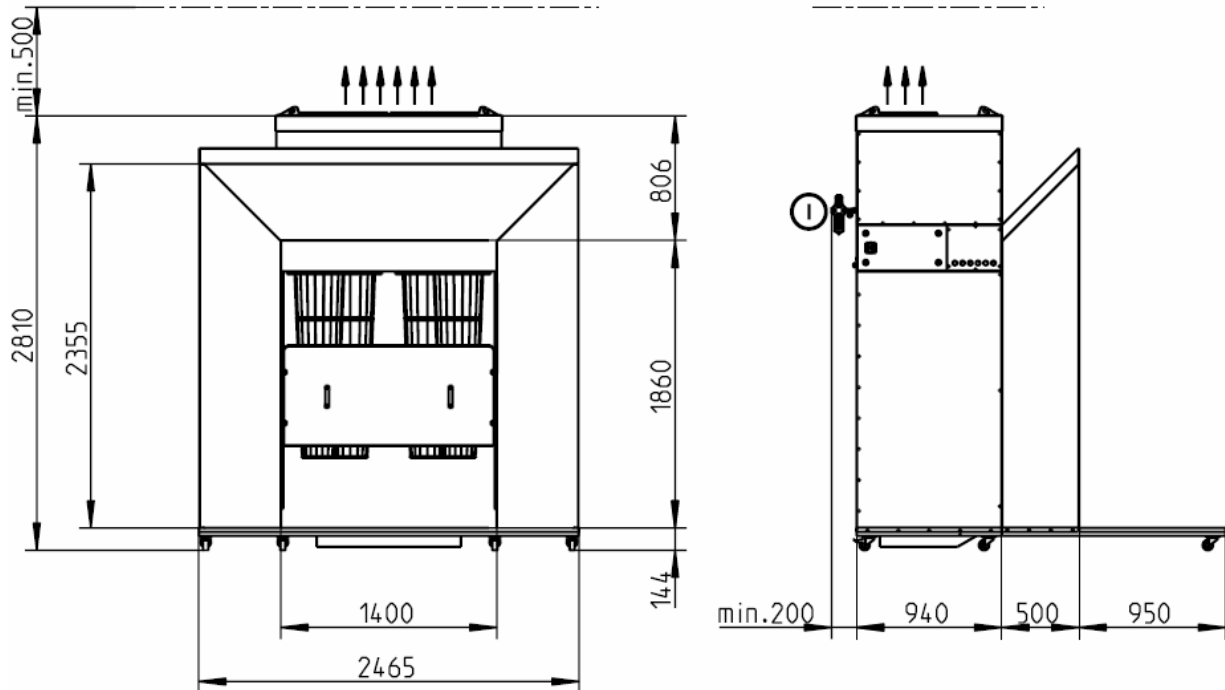
- 1 Front section of booth, comprising:
  - 1 supporting structure with booth base and powder-coated sheet steel elements, mounted on castors
  - 2 lamps
  
- 1 Exhaust air system, comprising:
  - 1 Fan housing, extractor fan with motor  
Extraction chamber with integral cleaning unit and jet cleaning nozzles. Cartridge cleaning is initiated manually and effected at intervals via the built-in control.
  
  - 4 Filter cartridges  
We use the latest generation of filter material in the filter cartridges. The conical geometry of the cartridges permits efficient cleaning of the filter elements. The cartridges are secured to the fan casing and easy to change.
  
  - 1 Pneumatic control  
The pneumatic control contains the filter pressure monitor, together with display and operating elements for filter cartridge cleaning.
    - 1 Compressed air connection with filter regulator unit and pressure gauge
  
  - 1 Electrical control  
The electrical control contains the main switch and possibilities for interlocking with the rest of the facility.
    - 1 Connection terminals max. 2.5mm<sup>2</sup> for power supply to booth
    - 1 Connection for fire detection sensor (to be provided by client)
    - 2 Connection terminals to feed electrostatic system
  
  - 1 2m suspension rail: 1 m arranged inside and 1 m outside the booth.

## ITW Gema Booth Type ClassicOpen

The ClassicOpen is ideal for manual coating of small batches, single parts or repairs. The open design enables objects of almost any size to be coated.



## Technical data ClassicOpen:



Exhaust air volume, nominal 6,600 [m<sup>3</sup>/h]

Working range 5,500 – 6,300 [m<sup>3</sup>/h]

Max. compressed air consumption for filter cleaning 15 [m<sup>3</sup>/h]

Compressed air connection ½" internal thread

Connected load 4,1 [kW]

Max. motor power 4,0 [kW]

## Booth dimensions, outside:

Width 2,465 [mm]

Depth 2,390 [mm]

Height 2,810 [mm]

Coating aperture W x H 1,400 x 1,860 [mm]

Noise emission (standardized measurement at 1 m in front of booth) < 78dBA

The power and compressed air connections are located at the back of the booth. Allowance must be made for them when determining the space requirement.

### Scope of supply ClassicOpen:

The Classic booths are delivered in the dismantled state, with the exception of the exhaust air unit, and can be assembled and brought into service by the client following the instructions for use.

#### Scope of supply consisting of:

- 1 Front section of booth, comprising:
  - 1 supporting structure with booth base and powder-coated sheet steel elements, mounted on castors
  
- 1 Exhaust air system, comprising:
  - 1 Fan housing, extractor fan with motor  
Extraction chamber with integral cleaning unit and jet cleaning nozzles. Cartridge cleaning is initiated manually and effected at intervals via the built-in control.
  
  - 2 Filter cartridges  
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  - 1 Electrical control  
The electrical control contains the main switch and possibilities for interlocking with the rest of the facility.
    - 1 Connection terminals max. 2.5mm<sup>2</sup> for power supply to booth
    - 1 Connection for fire detection sensor (to be provided by client)
    - 2 Connection terminals to feed electrostatic system

## Classic Exhaust Air Unit 2 oder 4:

For very specific needs in manual powder coating we offer the exhaust air unit without front section as a separate unit.

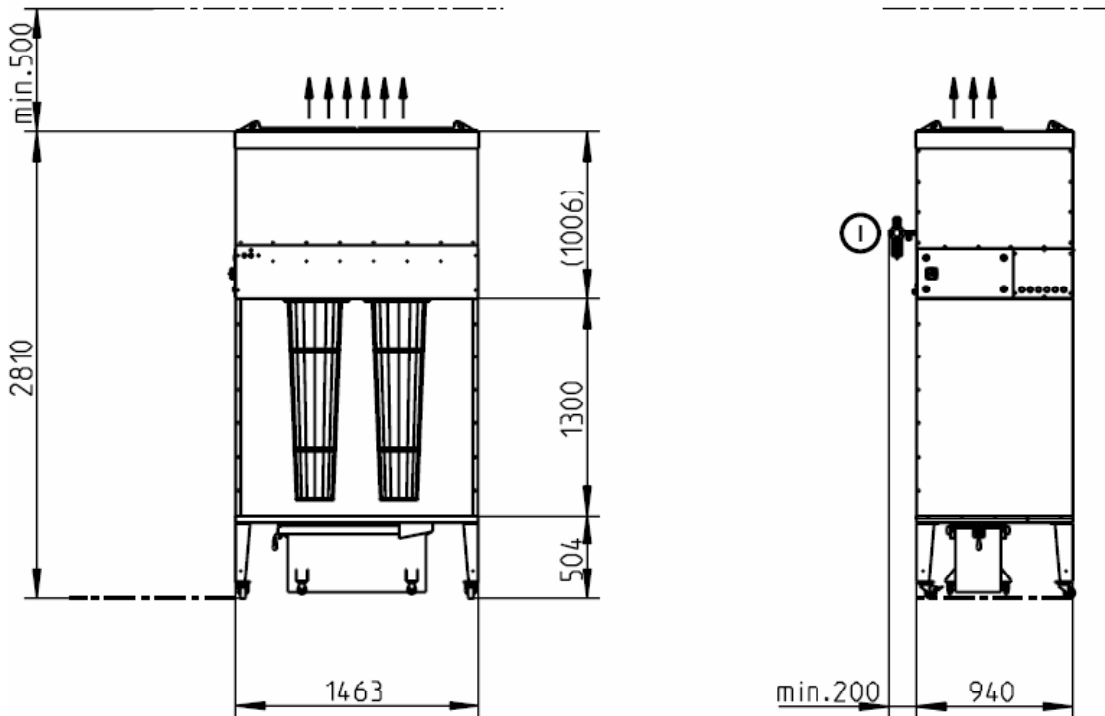


Pictures shows  
Classic Exhaust Air Unit 4

## Application Example

An example will be designed for the construction of a ClassicL using the new exhaust air unit. The drawing will be available by the end of February.

## Technical data Classic Exhaust Air Unit 2



Exhaust air volume, nominal 4,000 [m<sup>3</sup>/h]

Working range 3,000 – 3,800 [m<sup>3</sup>/h]

Max. compressed air consumption for filter cleaning 15 [m<sup>3</sup>/h]

Compressed air connection ½" internal thread

Max. motor power 2.2 [kW]

Booth dimensions, outside:

Width 1,463 [mm]

Depth 0,940 [mm]

Height 2,810 [mm]

Coating aperture W x H 1,400 x 1,300 [mm]

Noise emission (standardized measurement at 1 m in front of booth) < 78dBA

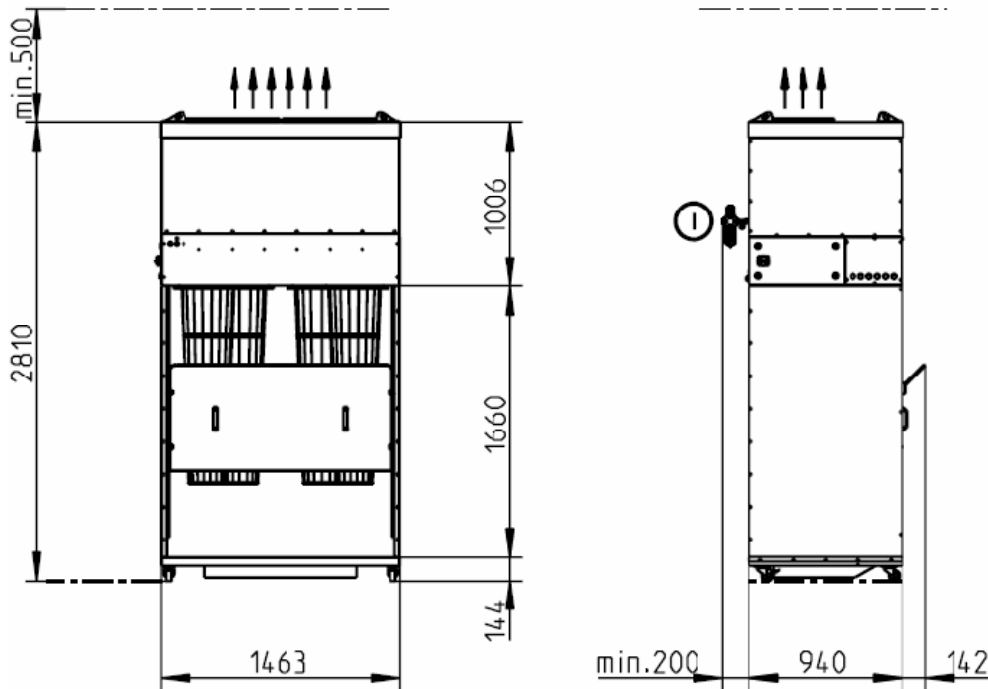
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## Scope of supply Classic Exhaust Air Unit 2

consisting of:

- 1 Exhaust air system, comprising:
  - 1 Fan housing, extractor fan with motor  
Extraction chamber with integral cleaning unit and jet cleaning nozzles. Cartridge cleaning is initiated manually and effected at intervals via the built-in control.
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    - 1 Compressed air connection with filter regulator unit and pressure gauge
  - 1 Electrical control  
The electrical control contains the main switch and possibilities for interlocking with the rest of the facility.
    - 1 Connection terminals max. 2.5mm<sup>2</sup> for power supply to booth
    - 1 Connection for fire detection sensor (to be provided by client)
    - 2 Connection terminals to feed electrostatic system

## Technical Data Classic Exhaust Air Unit 4



Exhaust air volume, nominal 6,600 [m<sup>3</sup>/h]  
 Working range 5,500 – 6,300 [m<sup>3</sup>/h]

Max. compressed air consumption for filter cleaning 15 [m<sup>3</sup>/h]  
 Compressed air connection ½" internal thread

Max. motor power 4,0 [kW]

## Booth dimensions, outside:

Width 1,463 [mm]  
 Depth 0,940 [mm]  
 Height 2,810 [mm]  
 Coating aperture W x H 1,400 x 1,860 [mm]

Noise emission (standardized measurement at 1 m in front of booth) < 78dBA

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