



## SPRAY PAINT BOOTHS & OVENS

- Most efficient way of containing oversprayed paint.
- Restricts paint over spray to a specified area.
- Provides optimum air velocity to exhaust the overspray without affecting spraying efficiency.
- Provides for maximum operator comfort and reduces attendant health hazards.
- Safe: minimises risk of fire due to solvent vapours and overspray deposits.
- State-of-the-art paint finishing systems.





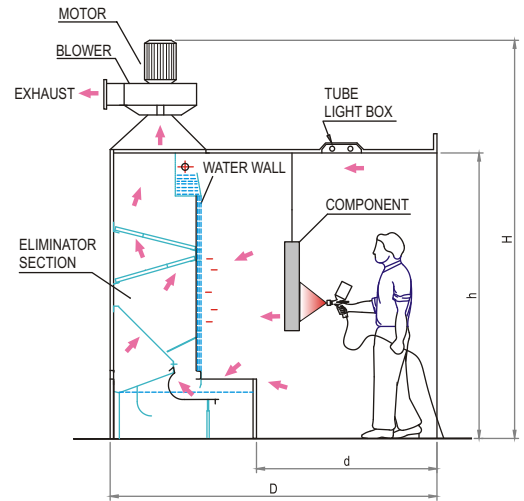
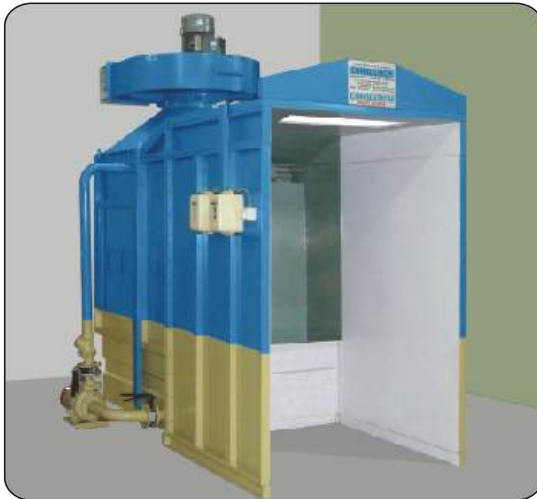
**H**ighest efficiency in a spray booth is always attained when the capacity, size and other specifications are most suited to the kind of work to be performed. The following factors are important while selecting the most appropriate booth for a specific coating component.

- Size of the article to be coated.
- Rate of production (i.e Paint Consumption).
- Product handling method.

## DynaSpray - Water Wash Paint Booths

### Features:

- Water curtain is achieved with pump. Lower installed electrical load (thus low running cost), less negligible maintenance.
- The advanced air washer design ensure high air washing/paint collection efficiency.
- The air-slot design, opening at the bottom of the wash down sheet (water wall) ensures uniform air movement in the booth. The over sprayed paint gets sucked in by the bottom suction itself.
- Superior construction: booth is constructed by nut-bolt.



G.A.: Water Wash Paint Booth

### Specifications :

Models	Dimension in (mm)			Exhaust Blower		Pump	Tube Lights	
	W/w	D/d	H/h	Capacity M <sup>3</sup> /hr	Motor Rating	Cap.	Watts	Nos.
<b>DynaSpray-WW15</b>	2000/1500	2850/1500	3600/2100	1 x 6800	1 x 3.12 KW	1.5 KW	2 x 36	1
<b>DynaSpray-WW21</b>	2600/2100	2850/1500	3600/2100	1 x 7900	1 x 3.70 KW	2.25 KW	2 x 36	1
<b>DynaSpray-WW30</b>	3500/3000	3250/1800	3600/2100	2 x 6800	2 x 3.12 KW	3.75 KW	2 x 36	2
<b>DynaSpray-WW36</b>	4100/3600	3250/1800	3600/2100	2 x 7900	2 x 3.70 KW	3.75 KW	2 x 36	3

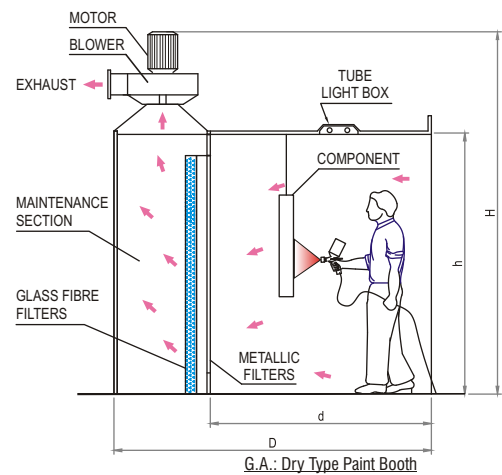
Note: (i) W x D x H : Overall Width x Depth x Height  
(ii) w x d x h : Working Width x Depth x Height

Larger sizes are available against specific requirements.  
Optional: Flameproof accessories are available against specific requirements.  
Also available in stainless steel construction.

# DrySpary - Dry Type Paint Booths

## Features:

- Oversprayed paint is sucked in by the blower through synthetic glass fibre filter or metallic filter arrester.
- Dry arresting of paint without water and chemicals.
- Even suction over the full height of the booth.
- Simple maintenance.
- Ideal use for all type of paint applications.



## Specifications :

Models	Dimension in (mm)			Exhaust Blower		Tube Lights	
	W/w	D/d	H/h	Capacity M <sup>3</sup> /hr	Motor Rating	Watts	Nos.
<b>DrySpary-DB15</b>	1594/1500	2394/1500	3600/2100	1 x 6800	1 x 3.12 KW	2 x 36	1
<b>DrySpary-DB21</b>	2194/2100	2394/1500	3600/2100	1 x 7900	1 x 3.70 KW	2 x 36	1
<b>DrySpary-DB30</b>	3094/3000	2694/1800	3600/2100	2 x 6800	2 x 3.12 KW	2 x 36	2
<b>DrySpary-DB36</b>	3694/3600	2694/1800	3600/2100	2 x 7900	2 x 3.70 KW	2 x 36	3

Note: (i) W x D x H : Overall Width x Depth x Height  
 (ii) w x d x h : Working Width x Depth x Height

Larger sizes are available against specific requirements.  
 Optional: Flameproof accessories are available against specific requirements.

## Special purpose liquid spray booths

### ▶ Mini Booths

- Especially useful for paint manufacturers in paint test labs, for test panel painting.
- Used in very low fluid consumption operations and for coating small articles like spectacle frames & brassware etc.

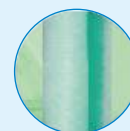
### ▶ Teflon Coating Booths

### ▶ Vehicle Refinishing Booths

### ▶ Leather Spray Booths

## Booth Accessories

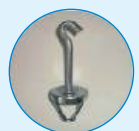
- ▶ Disposable filters (for dry back booths)
- ▶ Material handling - jigs/fixtures, track & loose trolley, motorised conveyor
- ▶ Indexors/ Turntable



Disposable filters



Conveyor track



Indexor

# Downdraft Paint booths

## DDSW - Wet Type

### Features:

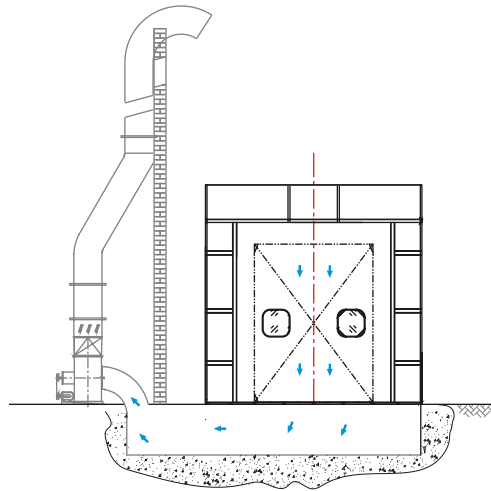
- International standard design & fully modular construction.
- Suitable for painting Medium & Large type of components.
- Direct/Belt driven centrifugal blowers or axial fan with motors. Option of flame proof motors and flame proof illumination.
- Supplied with push button starter or electrical control panel.
- Simple & low cost maintenance.
- Continuous bottom water flow.
- Available in sliding or automatic doors.
- Complies with current health and safety legislation.



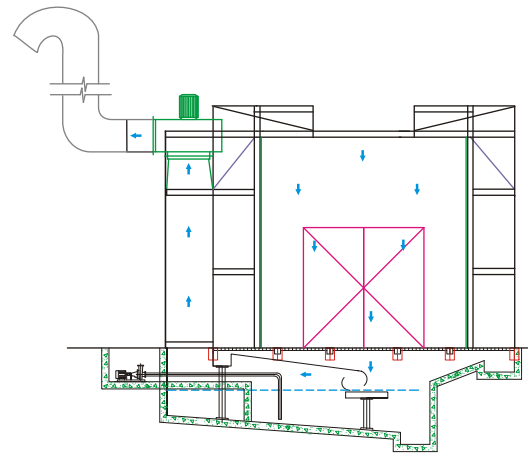
## DDSD - Dry Type

### Features:

- International standard design & fully modular construction.
- Suitable for painting Medium & Large type of components.
- Direct/Belt driven centrifugal blowers or axial fan with motors. Option of flame proof motors and flame proof illumination.
- Supplied with push button starter or electrical control panel.
- Simple & low cost maintenance.
- Choice of easy to fit disposable filters.
- Available in sliding or automatic doors.
- Complies with current health and safety legislation.



G.A.: Dry type downdraft Paint booth



G.A.: Wet type downdraft Paint booth

### Specifications :

Models <i>Wet &amp; Dry Type</i>	Working Dimension in (mm)			Overall Dimension in (mm)		
	w	d	h	W	D	H
<b>WetDD-50</b>	4000	5000	3000	5200	5150	3800
<b>WetDD-60</b>	4000	6000	3200	5200	6150	4000
<b>WetDD-70</b>	5000	7000	3500	6200	7150	4200
<b>DryDD-50</b>	4000	5000	3000	5500	5150	3200
<b>DryDD-60</b>	4000	6000	3200	6500	6150	3400
<b>DryDD-70</b>	5000	7000	3500	7500	7150	3700

Note: - Wet DD civil pit type, option with center draft or down to side draft / Dry DD civil pit type, down draft or down to side draft  
 - All side closed with top air slit / complete close with pressurized.  
 - Design and dimensions may change as per requirement.

# Eco**bake** - Paint Baking / Powder Curing Ovens

Consultech manufactures powder curing and paint baking ovens - batch and conveyorised types. Ovens are energy efficient with a minimum of gradient across their widths as well as heights. Uniform distribution of heat ensures uniform baking of all the components.

## Features:

- Nut bolted construction hence easy installation.
- Modular cassette and expandable construction.
- World class rockwool insulation for minimum heat loss.
- More energy saving result in higher efficiency & outputs.
- Well designed hot air circulation system.
- Automatic control panel with warning alarm & timer to ensure the curing or baking of powder or paint.
- Easy operation and material movement flexibility.



## Oven Types

- Diesel Fired Heating
- Gas Fired Heating
- Electrical Heating



## Specifications :

Models	Eco <b>bake</b> -Paint Baking Oven - Diesel/Gas						
	Inside Dimensions W D H	Heat Exchanger. K Cal/hr	Blower M <sup>3</sup> /hr	Motor HP	Temp °C	Fuel	Load Cap. kg
<b>Eco<b>bake</b>-55</b>	1.5 2.4 1.5	55000	1 x 7,500	1 x 3	200	Diesel/Gas	350
<b>Eco<b>bake</b>-60</b>	1.5 3.0 1.8	60000	1 x 10,000	1 x 3	200	Diesel/Gas	350
<b>Eco<b>bake</b>-65</b>	1.8 3.0 2.4	65000	1 x 10,000	1 x 5	200	Diesel/Gas	500
<b>Eco<b>bake</b>-75</b>	1.8 3.6 1.8	75000	1 x 12,000	1 x 5	200	Diesel/Gas	500

Models	Eco <b>bake</b> -Paint Baking Oven - Electric						
	Inside Dimensions W D H	Heating Cap.(KW)	Blower M <sup>3</sup> /hr	Motor HP	Temp °C	Load Cap. kg	
<b>Eco<b>bake</b>-18</b>	1.5 1.5 1.5	18	1 x 6,000	1 x 3	200	200	
<b>Eco<b>bake</b>-24</b>	1.5 2.0 1.5	24	1 x 10,000	1 x 3	200	300	
<b>Eco<b>bake</b>-36</b>	1.5 2.4 1.8	36	1 x 12,000	1 x 5	200	350	

Note: - All dimensions are in meters. | Initial heating time 60 minutes approx.  
- HE (Heat Exchanger) dimensions will be additional.

## Air Handling System

Air handling unit is manufactured with the latest advanced technologies and high quality raw materials. Our air handling units are most ideal for usage in paint shop and various applications. It gives dust free and fresh air to the pressurised paint shop. A positive air pressure developed inside the paint booth to avoid the dust, dirt and foreign particles and create healthy environmental conditions.



## Dry type / Wet type

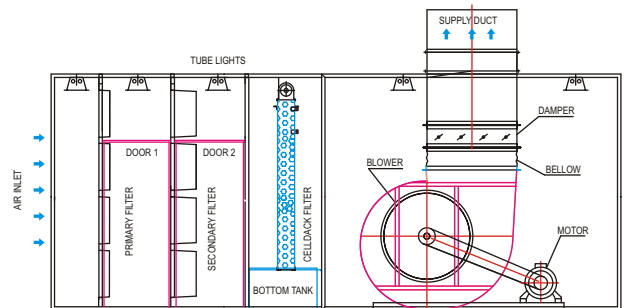
There are mainly Two type of Air handling units depend on paint finish quality & application.



Dry Type Air Supply System

## Features:

- Modular construction.
- Belt driven centrifugal blowers or axial fan with motors.
- Simple & low cost maintenance.
- Energy saving with optimum transfer efficiency.



G.A. Wet type air supply system

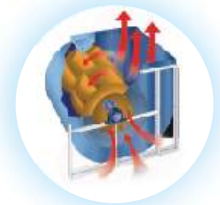
## Specifications :

Models	Overall Dimension in (mm)			Air Supply Blower		Filtration
	W	D	H	Capacity M <sup>3</sup> /hr	Motor Rating	Capacity M <sup>3</sup> /hr
<b>CAS-15</b>	1500	1500	1300	1 x 7480	1 x 3 HP	7480
<b>CAS-21</b>	2000	1500	1300	1 x 10450	1 x 5 HP	10450
<b>CAS-30</b>	2400	1800	1500	1 x 14960	1 x 7.5 HP	14960
<b>CAS-36</b>	2800	1800	1500	1 x 20900	1 x 10 HP	20900

In view of our constant endeavour to improve the quality of our products we reserve the right to alter or change specifications without prior notice.



Total Surface Coating Solutions



# Consultech at a glance

We, **Consultech Systems Pvt. Ltd.** are the leading designers and manufacturers in the field of Surface Coating Plants and Equipments. We offer Total Solution in the Field of Surface Coatings, that starts from consultancy, designing, engineering and commissioning of tailor-made systems for powder coating, liquid paint coating and Metal pretreatment, on turnkey basis, for all types of application requirements of finish coating for industrial and consumer goods.

The Company has established in the market since 1997. Our Best Quality Systems, Excellent Service Back-up, the unmatched superior workmanship and user friendly design is a speciality.

## We Undertake Turnkey Projects in Following Areas

- ▶ Industrial Paint Finishing Systems for Metal, Wood & Plastics.
- ▶ Metal Pretreatment Systems.
- ▶ Powder Coating systems, Batch type & Conveyorised / Automatic.
- ▶ Material Handling Systems (Conveyors).
- ▶ Standard Paint booths, ovens and air supply units.
- ▶ Large Down draft spray booths for heavy components.
- ▶ Spray booth cum oven for touch up & service stations.
- ▶ Industrial tunnel type spray washing machines.
- ▶ Shot blasting equipments and projects.
- ▶ Cathodic Electro Deposition (CED) & Paint Application System.

Projects



## Esteemed Clientele



Kirloskar, Tranter, Atlas Copco, Beckers, John Deere, Jotun, L&T Tengl, Manulgraph, JSW, JCB, Essar, Durabuild, Tata Yazaki, Cummins, Sandvik, Miltech, Piaggio, Bajaj, Mahale, Greaves, Durabuild, Burckhardt Compression, Sulzer, Virgo, Kenersys, Bosch, Hyundai are registered trade marks of their respective owners

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