



PBDry-SDPP454527 - Dry Series Paint shop plant, Side Draft, Positive Pressurized

Sr.	Description	Size	Details	Quantity
1.	Paint Spray Booth	4.5M (L) X 4.5M (W) X 2.75M (H)	Enclose Chamber / Positive Pressurized	01 No.
2.	Flash Of Zone (Drying Booth)	9.0M (L) X 4.5M (W) X 2.75M (H)	Enclose Chamber / Positive Pressurized	01 No.
3.	Heating System	Hot Air Handling Unit	36 KW (Electric)	01 No.

TECHNICAL SPECIFICATIONS OF PAINT SHOP PLANT

NO.	DESCRIPTION	PARTICULARS
1.	Pressure Inside Paint Shop	Positive Pressurized
2.	Extraction Method	Dry Series
3.	Exhaust Draft	Side Draft
4.	Effective Exhaust Screen	3,0m (W) X 2.0m (H)
5.	Internal Dimensions Paint Spray Booth Flash Of Booth (Drying Booth)	4,5m Length x 4,5m Width x 2,75m Height 9,0m Length x 4,5m Width x 2,75m Height
6.	Structure/Construction of Clean Room 	<u>Sheet Panels</u> All Chamber Panels are made of electrolytically galvanized sheet Panels, double skinned with insulation material filling Pu-Puff. Sheet Thickness – 0,45mm And Wall thickness 50mm.
7.	Basement / Floor	Normal Civil Floor. In Water Level “0”
8.		<u>Entrance/Painter Doors</u> Entrance doors made of electrolytically galvanized sheet panels, double skinned design. With Toughened Glass of 5mm at Observation Windows at alternate front panel. Entrance Door/ Exit Door – 1,8m W X 2,4m H X 3 Nos.
9.	Air Supply of Booth Air Velocity Rate	“Vertical” 0.2 m/s (In empty booth)
10.	<u>Air Make Up Unit – Paint Spray Booth</u>	Motors Rating (Non Flame Proof) Centrifugal Blowers With Havells/ABB Make Electric Motor(IE2), For Higher transfer efficiency and low electrical consumption.

		Fresh Air Supply Unit – (18000m ³ /hour) Extraction Unit – (14000m ³ /hour)
11.	<u>Air Make Up Unit – Flash Of Booth</u> 	Motors Rating (Non Flame Proof) Centrifugal Blowers With Havells/ABB Make Electric Motor(IE2), For Higher transfer efficiency and low electrical consumption. Fresh Air Supply Unit – (7500m ³ /hour) Extraction Unit – (5000m ³ /hour)
12.	Noise level in booth	± 80dba
13.	Lighting [Non Flameproof Fittings]	Polycab makes weatherproof fittings With Phillips LED Tubes inside the – A) Paint Booth – 20W x 2 – 10 Nos. B) Flash Off Booth – 20W x 2 – 06 Nos.
14.	Filters 	<u>First Stage (Fresh Air)</u> Non-Woven Synthetic Polyester Media In Pockets. G-4, EN 779/10Micron.
15.	Filters Roof Filters (Fine Filter) 	<u>Second Stage (Fresh Air)</u> Non-Woven Synthetic Polyester Tacky Media, Thermal Bonded, F-5 EN 779. (22mm Thickness) EU5 grade. 5 Microns.
16.	Filters - Optional 	<u>First Stage (Exhaust)</u> Metallic Baffles Made In CR Powder Coated, in 1.2mm Sheet, Washable Filters. 70% Dust Arrestance.
17.		<u>Second Stage (Exhaust)</u> Paint Arrestor Filter – Card board Media, G-3, EN 779.
18.	Electricity Main Supply	415V, 3PH, 50C/S, AC4 Wire system.
19.	Current Load Requirement	Total Load – 15 KW / 36 KW
20.	Control Panel	Including Of – Switch Gears – Schneider/Siemens

		Hour Meter, R.Y.B. Phase Indication, Motor Protection Circuit Breaker, Relays Emergency Switch, Main On / Off Switch Wires PB/SS	-Selec -Tecnic/Surdhi - Schneider/Siemens – Schneider/Siemens -Tecnic – Polycab – Tecnic/Selec/Surdhi
21.	Additional Items	1) Manometer – 02 Nos.	

LODGING AND ACCOMADATION OF TEAM TO BE BORNE BY CUSTOMER.

UTILITIES (To be arranged by Purchaser at his cost) :

- Air Compressor & Dryer for Compressed Air for painting and cleaning process.
- Electrical Inputs Up To Our Electrical Panel with MCCB.
- All Kind Of Civil Work.
- Material Unloading.
- All Exhaust Ducts.

NOTE: All above dimensions are approximate. The system's design may be changed without affecting its rated capacity.

