

POWDER SPRAY BOOTH CUM FILTER CARTRIDGE RECOVERY UNIT

OXY SERIES

SCOPE OF SUPPLY - PER SET

Type	:	OXY SERIES
MAIN BOOTH BODY		
Manual opening	:	___ mm W x ___ mm H
Side opening	:	___ mm W x ___ mm H x
Overall size	:	___ mm H x ___ mm W x ___ mm D
Booth Body Construction	:	Epoxy coated / Stainless Steel construction
Fluorescent lighting	:	40 W x 4 = total 2 tube lights of 40W each
CARTRIDGE RECOVERY SECTION		
Filter Cartridge Recovery – construction	:	Epoxy Coated Steel construction
No. of Filter Cartridge unit	:	___
No. of Filter Cartridges per Unit	:	___
Filter Cartridge Size	:	Dia = 330 mm x Height = 1000 mm
Filter Cartridge Material	:	Polyester Fleece material for 99.999% Powder Recovery
Filter Cartridge Cleaning	:	Rotary Wing Cleaning System
Filter Cartridge Cleaning Pane	:	With sequential timing system
POWER CONSUMPTION		
Power Consumption	:	___ HP x 1 No. - Flange mounted / Floor mounted blower
Control Panel	:	With starter for blower & lighting system controls. To be Suitable for both Blower & Motor
Electrical	:	All electrical of Siemens, L&T, ISI make.
Police Filters	:	1 Set of Exhaust Air fine Police Filters

FILTER MEDIA:

The Filter media is made of super fine polyester. This unique fibre composition with a smaller fibre diameter in the range of 2µm and pore diameters of 20 µm or less means that most dust particles cannot penetrate into the depth of the material, thus eliminating blockages. The media offers a range of benefits including -

- ❖ Maximum levels of surface filtration.
- ❖ Outstanding separation behavior.
- ❖ Extended service life.
- ❖ Much reduced pressure loss.
- ❖ Significant energy savings.

ROTATING CLEANING SYSTEMS:

Filter Cartridge Powder Recovery systems require that the filter cartridge be cleaned quickly and efficiently with our effecting the operation. Mitsuba offer state of the art rotating wing-cleaning mechanism. The rotating mechanism inside the cartridge will purge the air inside the cartridge. The localized purge of the air will dislodge the powder deposited on outer surface of the cartridge. Conventional retro-jet cleaning does not clean cartridge uniformly across the length of the cartridge. The rotating mechanism will ensure uniform cleaning of cartridge across the length of cartridge. Better cleaning of the cartridge assures higher collection of powder and longer life.

CONSTRUCTION:

The entire recovery system body is fabricated out of CRCA sheets which are powder coated / epoxy coated. The system shall have an outlet point at the bottom for attaching an automatic sieving system / powder transfer system to the main powder