

POWDER SPRAY BOOTH CUM CYCLONE RECOVERY WITH AFTER FILTER UNIT – UNI SERIES
SCOPE OF SUPPLY - PER SET

Type	:	UNI SERIES
MAIN BOOTH BODY		
Manual opening	:	___ mm W x ___ mm H
Side entry for material entry exit	:	___ mm W x ___ mm H
Auto opening	:	___ mm W x ___ mm H
Overall size	:	___ mm H x ___ mm W x ___ mm D
No. Of Manual Guns suitable for (Touch up Purpose)	:	___
No. Of Auto Guns suitable for	:	___
Booth Body Construction	:	<p>Powder contact area & all supporting structures made in Epoxy coated Steel construction.</p> <p>OR</p> <p>Powder contact area in Stainless Steel construction & all supporting structures made in Epoxy coated Steel construction.</p>
Fluorescent lighting	:	40 W x 4 = total 2 tube lights of 40W each
MONO CYCLONE RECOVERY SECTION		
No. of Recovery units	:	1 No.
Recovery Cyclone	:	Mono Cyclone™ Stainless Steel Construction
Interconnection Ducts	:	Epoxy coated steel construction – Duct between Booth to Recovery

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Type	:	UNI SERIES
CARTRIDGE AFTER FILTER SECTION		
After Filter Cartridge – construction	:	Epoxy Coated Steel construction
No. of After Filter Cartridge units	:	_____
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 Panel	:	With sequential timing system
Interconnection Ducts	:	Epoxy coated steel construction – Duct between Recovery to After Filter
POWER CONSUMPTION		
Power Consumption	:	___ HP x 1 No. – Flange / Foot mounted blower
Control Panel	:	With starter for blower & lighting system controls.
Electricals	:	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

