

Specifications of Incinerator

Stand provided-	Yes
Thickness of thermal Insulation material (mm)-	Any Value
Thickness of MS/SS sheet of burning chamber (internal) (mm) (Min)-	Any Value
Machine Weight(kg)-	15-20
Thickness of door including insulation (mm)-	Any Value
Flexible emission Outlet pipe dia (mm)-	Any Value
Material of Housing cabinet (External)-	Stainless Steel sheet
Material of Burning chamber (Internal)-	Stainless Steel sheet
Material of Thermal Insulation-	High Density Ceramic Fibre sheet
Temperature indicator provided-	Yes
Minimum Burning temperature (degree C)-	ANY
Burning Capacity per day (Number of Napkins)	15-50
Burning Capacity at a time (Number of Napkins)	15-25
Burning time of full capacity Napkins/pads (minutes) (Max)-	35 minute
Automatic digital controller for time-	Yes
Automatic digital controller for temperature-	Yes
Type of SCU (Smoke Control Unit)-	Top mounted
Material of housing of Smoke Control Unit (SCU)-	Stainless Steel of SS-304 Grade
Both carbon Control and Foul odour Control Chambers for filtration of smoke emission-	Yes
Number of filters in Carbon control chamber-	Three(03)
Type of filters in Carbon control chamber-	Teflon filter, Activated Carbon Filter & Steel mesh filter
Number of filters in Odour control chamber-	Three
Blower RPM-	2700
Warranty in Years-	3 Years

GENERAL

Type	Wall Mountable
Purpose	Burn used Sanitary Napkins to sterile ash and stop automatically
Colour	ANY
Operation Mode	Electronically operated, fully Automatic
Loading Type	Front loading
Stand provided	Yes
Number of chambers	Two
Trap Door available	Yes
All MS parts Powder coated	Yes
Spare parts should be available for Minimum 5 years from date of supply	Yes
All electrical parts are ISI Marked	Yes

DIMENSIONS OF MAIN UNIT

Thickness of thermal Insulation material (mm)	40 millimetre
Thickness of MS/SS sheet of housing cabinet (external) (mm)	1.2 millimetre
Thickness of MS/SS sheet of burning chamber (internal) (mm) (Min)	5 millimetre
Machine Width(mm)	200-300
Machine Depth (mm)	501-700
Machine Height(mm)	200-500
Machine Weight(kg)	16-30
Door width(mm)	151-200
Door height(mm)	101-150
Thickness of door including insulation (mm)	40 millimetre
Internal/burning chamber shape	Vertical cylindrical
Flexible emission Outlet pipe dia (mm)	40 millimetre
Detachable ash tray length (mm)	151-200
Detachable ash tray width (mm)	151-200
Detachable ash tray height (mm)	16-30
Stand Height (mm)	500 millimetre
Stand Width (mm)	301-400
Stand Depth (mm)	201-300

MATERIAL OF MACHINE UNIT

Material of Housing cabinet (External)	Stainless Steel sheet
Material of Burning chamber (Internal)	Stainless Steel sheet
Finish of MS parts of cabinet	Epoxy anti rust proof painting for superior finish
Material of Thermal Insulation	High Density Ceramic Fibre sheet

CONSTRUCTIONAL FEATURES

Thermal insulation of burning chamber housed in outer chamber	Yes
Burning Chamber tray provided	Yes
Emission Outlet pipe location	Top of machine
Means of connecting the unit outlet with flue gas emission pipe	Clamped
Type of door lock provided	Latch lock

CONTROL & FUNCTIONAL FEATURES

Temperature indicator provided	Yes
Timer provided	Yes
Auto cut-off temperature display	Yes
Digital display to see actual and set temperature	Yes
Minimum Burning temperature (degree C)	any
Burning Capacity per day (Number of Napkins)	15-50
Burning Capacity at a time (Number of Napkins)	16-25
Residue Ash per Napkin (gms)	1 gram
Burning time of full capacity Napkins/pads (minutes) (Max)	35 minute
Skin temperature of the unit under operation (deg C)	0-15
Installation, training, demonstration and plumbing included	Yes

ELECTRICAL AND SAFETY FEATURES

Automatic digital controller for time	Yes
Automatic digital controller for temperature	Yes
Equipment ON/OFF indicator provided	Yes
Power supply	230v +/-10%, 50Hz, Single phase, AC supply
Electrical Power Consumption(Watt)	500-1000
Minimum length of power chord to be supplied along with machine (mtr)	2 meter
Type of Heater	Ceramic heater containing coil
Power saver (auto power cut-off)	Yes
Safety MCB provided (16A to 30A)	Yes
Protection against electric shock when checked as per IS:302-1/2008	Yes
Minimum Insulation Resistance (IR) at 500 VDC (Mega Ohm)	2
Maximum Electrical Insulation and Leakage current as per IS:302-1/2008, (mA)	0.21
Maximum Earthling continuity test when tested as per IS:302-1/2008 (Ohm)	0.1
HV test at 1000 V rms for 1 Sec when tested as per IS:302-1/2008	No breakdown shall occur during the test

SMOKE CONTROL UNIT (SCU)

Type of SCU (Smoke Control Unit)	Top mounted
Material of housing of Smoke Control Unit (SCU)	Stainless Steel of SS-304 grade
Finish of MS parts of SCU cabinet	Epoxy anti rust proof painting for superior finish
Overall height of SCU (mm)	325
Overall width of SCU (mm)	301-500
Overall depth of SCU (mm)	100-300
Number of chambers for filtration of smoke emission	Two
Both carbon Control and Foul odour Control Chambers for filtration of smoke emission	Yes
Number of filters in Carbon control chamber	Three
Type of filters in Carbon control chamber	Teflon filter, Activated Carbon filter & Steel mesh filter
Number of filters in Odour control chamber	Three
Type of filters in Odour control chamber	Activated Carbon filter
Blower type	"Centrifugal, direct driven"
Blower RPM	2700
Power supply of SCU	230v +/-10%, 50Hz, Single phase, AC supply
Minimum length of flexible emission outlet pipe to be supplied along with machine (mtr)	3
Cost of additional flexible emission outlet pipe, if required on actuals to be paid by the user	Yes

EMISSION STANDARD FOR SMOKE

Conformity to CPCB, Min of Environment & Forests standard, Solid Waste Management Rules (SWM), 2016	Yes
Particulates (Half hourly average) (mg/Nm ³) (Max)	50
HCl (Half hourly average) (mg/Nm ³) (Max)	50
SO ₂ (Half hourly average) (mg/Nm ³) (max)	200
CO (Half hourly average) (mg/Nm ³) (Max)	100
CO (Daily average) (mg/Nm ³) (Max)	50
Total Organic Carbon (Half hourly average) (mg/Nm ³) (Max)	20
HF (Half hourly average) (mg/Nm ³) (Max)	4
"Nox (NO and NO ₂ expressed as NO ₂) (Half hourly average) (mg/Nm ³) (Max)"	400
Total dioxins and furans (6 to 8 hours sampling basis, Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence) (ng TEQ/Nm ³) (Max)	0.1
Cd + Th + their compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm ³) (Max)	0.05
Hg and its compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm ³) (Max)	0.05
Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V+their compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm ³) (Max)	0.5
Loss on ignition (max) (% dry weight of the material)	5

PACKING

Packing	Carton Box
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MARKING AND INSTRUCTIONS

The appliance is marked as per IS:302-1/2008	Yes
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CERTIFICATION

Submission of Test Report from Central Govt/CSIR Lab/NABL/ILAC accredited Lab specifically containing Electrical & Electronic parameters, Thermal insulation material of burning chamber in addition to declared specification parameter at time of supply	Yes
Submission Test Report for equipment for compliance of Flue gas emission and ash upon combustion of Sanitary Napkins/Pads to Central Pollution Control Board (CPCB) norms from NABL accredited lab/CSIR Lab at the time of supply	Yes
Certification Available	BIS
Certificate for Manufacturing premises available	ISO
Compliance certificate is to be furnished after conducting comprehensive performance test by the supplier	Yes
Submission of all the certifications to the buyer along with supplies	Yes

PERFORMANCE REQUIREMENTS

Warranty in Years (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	1
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