

SALIENT FEATURES / MOC (in GMP Model) :

The Micronising Mill has many advantages over conventional comminuting equipment.

- Main Body/Vacuum
- Drain valve for Vacuum chamber and Receiver.
- Temperature Accuracy : ± 2 to 30C
- FINISH : Internal 320 Grit Mirror Polish and Outer 180 Grit Mat Finish.

OPTIONALS:

- Heating Shelves unit movable system fitted on SS316 Trolley and SS304 external Trolley.
- Condenser and Receiver in SS 316 instead of SS304.
- chamber SS316 with heavy duty SS316 flange and Stiffeners.
- Door SS 316 (hemisphere shape) with heavy duty SS316 flange.
- Shelves Hollow Type pads SS316 with flow Baffles.
- Condenser (Shell&tube) and Receiver in SS 304 with Isolation valve and Flow Glass in between to monitor condensation.
- Trays (with out back folding) in SS316 rounded corners and edges.
- Explosion Vent/Rupture Disc on vacuum chamber.
- Digital Temperature Controller (FLP) with solenoid controlled Pneumatic operated valve at Hot Water inlet.
- Provision for Validation Port on Body
- Digital Temp., Indicator (FLP) at H.W. inlet & outlet.
- Dial type Vacuum gauge and Digital Temp., Indicator (FLP) in Vapor line.
- Pressure release valve in Steam line.
- View Glass/Light glass provided on vacuum chamber Door, Body and Receiver.
- Silicon transparent gasket for door.
- Nitrogen purging valve provided on Vacuum chamber.
- Vacuum break valve provided on vacuum chamber Limpet coil on Vacuum chamber.
- Insulation on the vacuum chamber outer surface except door. The insulation is enclosed and covered with removable SS 304 panels
- Skirting/Wall panel all along the body/vacuum chamber flange
- Hot water system (Steam heated) with tank (Insulated), SS304 Steam Radiator/Electrical heaters, Circulation pump with FLP Motor and controls.

Technical Specification :-

MODEL	MEVTD 3G	MEVTD 6G	MEVTD 12G	MEVTD 24G	MEVTD 36G	MEVTD 48G	MEVTD 96G
No. Of Trays	3	6	12	24	36	48	96
Capacity in Kg	3-5	12-18	25-35	50-75	75-100	100-150	200-300
Tray volume in Ltrs /Capacity in Kg	5/1-1.5	10 /2-3	10/2-3	10/2-3	10/2-3	10/2-3	10/2-3
Tray size : L W H in mm	406x406x 31	812x406x 31	812x406x 31	812x406x 31	812x406x 31	812x406x 31	812x406x 31
No. of Heating	4	7	7	9	13	17	17

Shelfs							
Shelf size in mm	430x430	430 X835	835x835	835x1259	835x1250	835x1250	1250x1650
Distance between shelves in mm	100	100	100	100	100	100	100
Trays on each self	1	1	2	3	3	3	6
Condenser	0.2m2	0.5 m2	0.75m2	1m2	1.5m2	2m2	3m2
Receiver	10Ltrs	25 Ltrs	50 Ltrs	75 Ltrs	100 Ltrs	150 Ltrs	250 Ltrs
H.W. Distribution Pipes	1½”	1½”	1½”	1½”	1½”	1½”	2”
Door Gasket (Silicon)	16mmSQ	16mmSQ	16mmSQ	16mmSQ	16mmSQ	16mmSQ	16mmSQ
No. of Door Bolts (Φ40)	4	6	8	10	12	12	14
Design Temperature : 1500C, TESTING : The vacuum dryer shelves are hydro-tested 5 Kg/Cm2 in Assembled condition. The vacuum chamber is tested for full vacuum.							
OVERAL DIMENSIONS (Approximately):							
Width in mm	900	1250	1700	1800	1800	1850	2300
Depth in mm	900	1500	1500	1900	1900	1900	2300
Height in mm	1100	1850	1900	2100	2250	2650	2650
Weight in mm	400	700	1000	1500	2000	2500	5500