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ISO 9001 : 2008 Certified



# Fluid Bed Dryer



## R&D Model

Electrically heated, made out of stainless steel 304, but contact parts i.e. Product Container and Retarding Chamber, are made out of S.S.316 quality material, with 1 HP flame-proof blower motor, suitable to dry approximate 01 to 02 Kgs. of wet material at a time. ( 03 piece design )

### Special Features

- Uniformity in drying and reduction in drying time.
- Very compact unit required less space.
- Manually operated air dampers provided to control the inlet and outlet air flow.
- An explosion safety flap of adequate capacity at the rear of dryer and an earthing point to prevent static charge in the machine.
- Solid gaskets of silicon rubber at bottom and top of the container and at bag sealing.
- Pneumatic system for container sealing & finger bag shaking etc.
- All contact parts are made out of SS316 and general structure made out of SS304 quality material.



# Fluid Bed Dryer



◀ Processing Chamber

Sampling Port



Product Container



## Optional Features

- Atmospheric inlet air is filtered by means of Pre, Micro V and Hepa Filters OR AHU with dehumidification facility & Rh or Dew point sensor.
- PLC based power panel with Touch Screen based operating panel with printer port facility.
- Pneumatically butterfly valve at inlet & exhaust air line.
- Blower motor FLAMEPROOF.
- Differential pressure gauge or transducer across the filters and across the air discharge bag.
- Positive earthing arrangement with low voltage relay.
- A. C. Frequency drive for blower motor.

