

## PILOT CONTINUOUS FLUID BED

The pilot vibratory continuous fluid bed allows for the testing of products under realistic production conditions. The fluid bed is divided into three sections for drying, cool and agglomerating of powders.

The unit can be configured to come with cyclone or bag filter or both if so required and heat generated by twin 5kw heaters to give drying temperatures up to 120°C.

The plant has access ports to each section of the bed along with view ports, sample points and light units.



F/B Cyclone Rotary Valve	0.37 kW
Fluid Bed Exhaust Fan	2.2kW
Fluid Bed Inlet Fan	2.2kW
Fluid Bed Electric Heaters	20 kW
Fluid Bed Vibrator Motors	110 Watt

Overall height	2436
Overall length	1871
Overall width	1600
Distribution plate length	1250
Distribution plate width	200
Agglomeration section	300
Evaporation rate	11kg/hr
Drying temperature	80°C
Fluidising velocity	1.4 m/sec

### Standard Instrumentation

Graduated heater control	Thyristor
Agglomeration section	PT100 temperature sensor
Drying section	PT100 temperature sensor
Cooling Section	PT100 temperature sensor
Exhaust Air	PT100 temperature sensor
Heated air inlets	Flow switch
Cyclone / Bag filter	Differential pressure transmitter
Inlet sections	Pressure transmitter
Lower plenum	Pressure transmitter
Upper plenum	Pressure transmitter
Exhaust	Pressure transmitter

