

# MMSD Micro Mist Spray Dryer

## MDL-050 (C) MGC LAB SCALE



### Specifications

Operating Temperatures	: Inlet 140°C, Outlet 70°C
Evaporation Capacity	: 4kg/h (Ethanol base, other solvents feasible)
Heater Type	: Electric, 5kW
Atomizing Mechanism	: 4-Fluid Nozzle
Gas Flow Rate	: 1000NL/min
Gas Nozzle Pressure	: 0.5MPa, 80NL/min
Collection Methods	: Bag Filter
	: Bag Filter + Cyclone
Collection Process	: Continuous

### Features

- Allows for Single-Micron particle sizes
- Only requires a small sample size
- Operator “friendly” touch control panel, including system flow diagram
- Equipped with latest cyclone technology allowing to collect single-micron particle sizes
- Compatible with GMP (Good Manufacturing Practices)
  - HEPA filter allows for Clean dry hot air
  - Sanitary and easily washable
  - Easy assembly and disassembly
- Closed type system capability simply by connecting with the solvent recovery equipment
- Able to spray dry organic solvent while in a N<sub>2</sub> atmosphere
- Able to cool down organic solvent gas to -30°C, including capability of handling methylene chloride applications
- Less N<sub>2</sub> amount required for processing and discharge due to a built-in compressor for atomizing gas

