



**Hemraj**  
INDIA

# PILOT AND SEMI PRODUCTION SPRAY DRYER

Capacity : 10 - 30 kg / hr water evaporation

**SS316L construction spray dryer in a sanitary design per GMP standards; HEPA filters for gas streams; Wide range of dryer configurations; Interchangeable atomization - Rotary atomizer, Co-current two-fluid nozzle and fountain nozzle; Pressure nozzle atomization applications also available; Closed-cycle design available for operation with organic solvents or reinforced design with suppression systems for dust explosion protection. Options include an extended drying chamber cylinder, a bag filter or cartridge filter and wet scrubber.**

**Recent Customers :**

- Marrone Bio Innovations, USA
- Wheyco GmbH, Germany
- Inn Biotechnologia Sa, Spain
- Remniex, Morocco
- Dr. Reddy's Laboratories Ltd., Vizag
- Ranbaxy Laboratories Ltd., Gurgaon
- USV Ltd., Chiplun
- Glenmark Pharmaceuticals, Kukumbh
- G.V.S. Biotech, Banga
- Ecolyse, Inc, U.S.A



**World-class spray dryers.  
World-class results.  
Exported world wide - USA,  
Germany, France, Spain,  
Indonesia etc.**

**Advanced PLC control systems with data loggers and trends or more economical basic control panels;  
Integral flame safety controls or remote flame safety panels.**



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## PRODUCTION SPRAY DRYER

**Capacity : 50 kg / hr water evaporation and above as per customer requirements.**

**Drying plants are customized for each specific purpose and are available in a wide range of sizes and configurations;**

**Total control over a wide range of critical process parameters and product properties such as temperatures, holding times, solid contents and critical powder characteristics; Variable atomizer speed and temperature adjustment;**

**Controlled flow nozzles enabling precision control of particle size; Energy-efficient technology ensuring very low energy consumption per product unit produced; Plant designs capable of handling a variety of applications and ensuring very high yields; Top quality and reliable components for prolonged service life; Complete and efficient CIP systems; Automated process control to ensure long and reliable production runs with constant product quality.**

### Additional Features :

- All surfaces in contact with product in high alloy stainless steel or other corrosion-proof materials.
- Possibility for substitution of one atomizer type for another in the same drying chamber for different applications.

### Recent Customers :

- Famous Iberchem Ltd., Bangladesh
- Vishal Enterprises, Morvi
- Limex Global Industries, Nigeria

