Hemraj
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GLS 1000 MINI SPRAY DRYER

Capacity : 100 – 1000 ml / hr water evaporation

Reproducible powder production at lab scale; Ideal for scale up to pilot or production; Proven performance - the most established & flexible instrument for LAB spray drying; Cost efficient – achieve reproducible result at minimal costs; Easy to use; Simple switching between two nozzle variants; High yields (upto 70%); Shorter times to optimize formulations

Additional Features :

- Online nozzle cleaning with deblocker
- 3-Fluid nozzle for spraying immiscible fluids
- Inert loop for condensation of solvents and feed back of inert gases
- Fast setup and cleaning times
- Lowest maintenance costs
- Requires only AC 200 /230V; 50/60Hz power supply (other power requirements available)

A compact laboratory spray dryer with a maximum temperature of 260^{0}C and liquid flow rate of up to 1000 ml per hour. This unit is ideal for research and development and sample preparation of many products. All units feature a simple and intuitive touch screen operation system with recipe functions and USB data logger.

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Technical Specification GLS 1000 Mini Spray Dryer

- Evaporation capacity : 1000 ml / hr of water; higher for organic solvents
- Sample volume : 30 ml - 1 L
- Air flow max. : 50 cu.m/hr (free running)
- Heating power : 4 KW
- Max inlet temp. : 260° C; Accuracy ± 1° C
- Hot air flow : Co-current
- Nozzle type : Two-fluid nozzle with deblocker
- Nozzle diameter : 0.5 & 0.7 mm with deblocker assembly; 1.0 mm, 1.5 mm & 2.00 mm also available
- Compressor pressure : Max. 8 bar
- Typical yield : 40 - 70 %
- Operating conditions : Open, optional closed cycle with inert loop
- Power consumption : Max. 14 amps
- Voltage : 200 - 230 V; 50/60 Hz
- Dimension (H x W x D) : 1100 x 500 x 600 (mm)
- Weight : 60 kg

(As shown with outlet filter)

Additional Options :

- PC based operating system with ethernet interface
- Inert Loop for closed cycle spray drying
- Inlet – Pre + HEPA filters
- Outlet filter with pressure drop indication for optimal protection of the aspirator
- 3-Fluid nozzle for spraying immiscible fluids

Hemraj Enterprises, 2/227, New Sonal Link Indl. Estate, Link Road, Malad (West), Mumbai - 400 064, India.
Tel.: + 91 22 6699 5104 I + 91 22 2889 8942 I E-mail : sales@hemrajindia.com I Web : www.hemrajindia.com