

P T X-Pentronix, Inc.[®]

SPRAY DRYER

THE SPRAY DRYER THAT REVOLUTIONIZED
LABORATORY DRYING OF POWDERS



**Laboratory
MODEL 370**

FEATURES

- **HIGH BULK DENSITY**

The spray dryer has a special atomizer which enables it to process liquids of high density and high viscosity. The atomizer disc is of special construction which allows the unit to spray dry a wide variety of high density liquids into powder particles with high bulk density.

- **PARTICLE DISTRIBUTION AND SHAPE**

Distribution of the true sphere powder particles is excellent. The patented roller pin atomizer disc design, when rotating at high speed, has a small secondary air current around the circumference. This ensures that the particles are completely round and distribution is sharp.

- **WEAR PARTS**

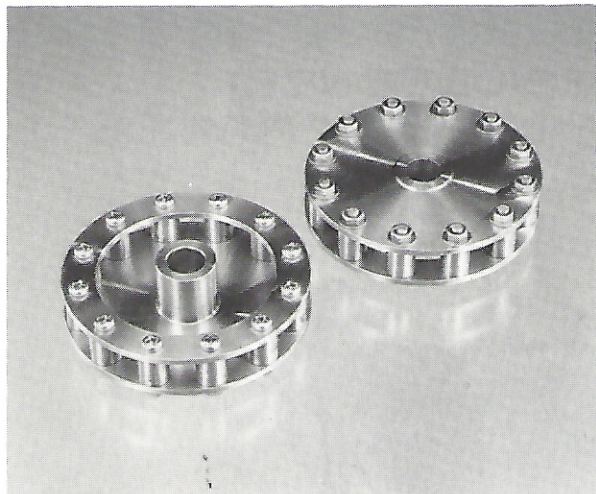
Portions of the atomizer disc that tend to wear can be made of ceramic or tungsten carbide to ensure longer life.

- **CLEANING**

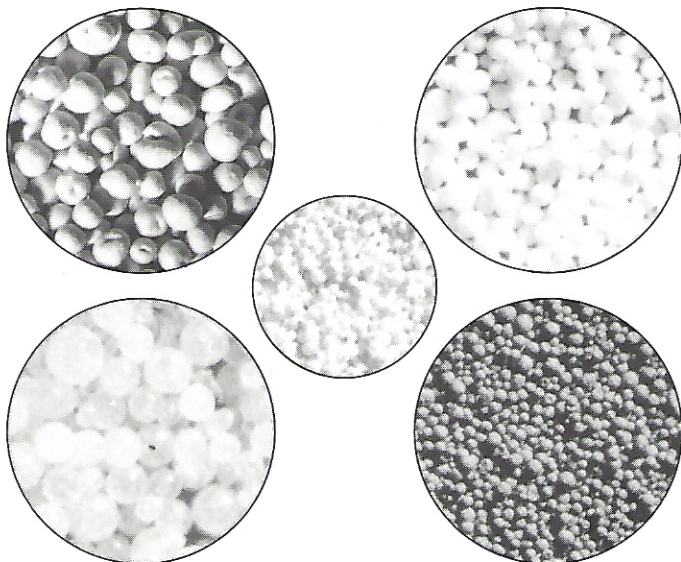
The unit is designed to facilitate easy cleaning.

SPRAY DRYER

PATENTED ATOMIZER



POWDER SAMPLE



SPECIFICATIONS

- | | |
|-------------------------|--|
| 1. Spray Drying Method | Atomizer Turbine Disc |
| 2. Atomizer | (a) Max 15,000 RPM (variable speed)
(b) AC 120V/4.5A |
| 3. Evaporation | Max. 3 liters/hour |
| 4. Electric Heater | 460V |
| 5. Air Blower | 460V |
| 6. Liquid Supply | (a) Roller Tube Pump
(b) AC 120V/1.5A |
| 7. Agitator for Liquid | AC 120V/3A |
| 8. Spray Drying Chamber | (a) Diameter 39 inches
(b) Material Stainless Steel |
| 9. Control Panel | (a) Automatic Temperature Control
(b) Digital Display for Atomizer Revolution |
| 10. Dimensions | 60" H x 48" W x 88" L |
| 11. Weight | 2,000 Lbs |
| 12. Unit is portable | |

You are invited . . .

. . . to visit our Powder Technology Laboratory in Lincoln Park (near Detroit Metropolitan Airport). Find out first-hand how our Spray dryer can be applied to your production needs. Arrange for a demonstration with your own slurry. Call for appointment.

PTX-Pentronix, Inc. reserves the right to discontinue models and make changes in specifications, materials, equipment or prices at any time without prior notice.



Pentronix, Inc.

1737 Cicotte, Lincoln Park, Mich. 48146

Phone: (313) 388-3100 • Telex: 23-0398 • Fax: (313) 388-9171