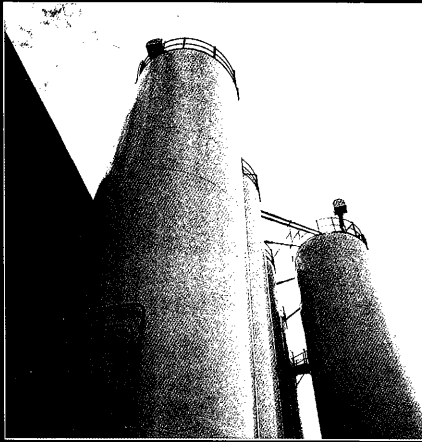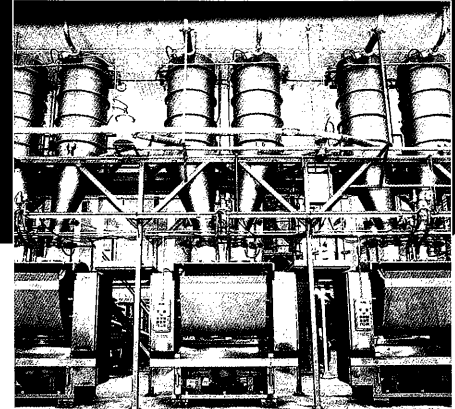# Dehumidification For Pneumatic Conveying Systems

Desiccant Technology

DESICAiR's complete line of dry desiccant dehumidification products represents leading edge technology for the removal of moisture from an air stream. All dehumidifiers include reactivation energy conservation to reduce operating costs.

The company pioneered rotary wheel-style units to remove moisture by the adsorption process using an advanced "silica gel", whereby humidity is adsorbed in the vapor phase. This process allows dehumidification of even cold air streams without frosting or freezing of components.
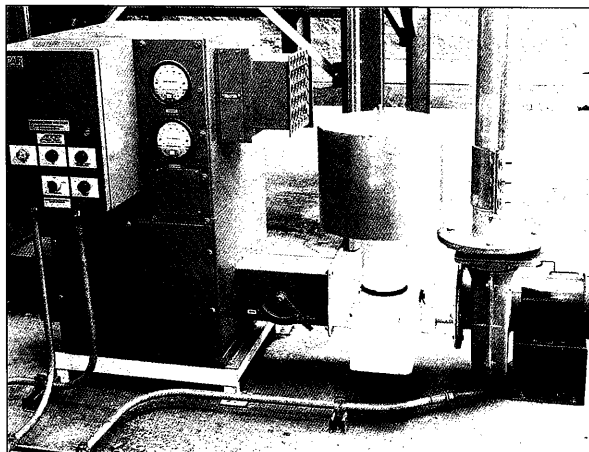
Working together, Thompson-Hill and the DESICAiR Division of Air Technology Systems, Inc. offer customers a powerful resource to meet difficult challenges. We provide the best solutions to customers' most demanding requirements.

A Winning Team

Thompson-Hill – a bulk materials handling specialist with headquarters in Lenexa, Kansas - and the DESICAiR Division of Air Technology Systems, Inc., located in Frederick, Maryland, have teamed up to meet the needs of the bulk materials handling industry. The team has developed a reputation for excellence in designing and installing bulk material handling systems - particularly for food, pharmaceutical, chemical and plastics applications.

Thompson-Hill has almost two decades of experience applying state-of-the art dehumidification technology to material handling systems that convey and store bulk materials. The firm has earned a reputation for excellence in designing and installing bulk materials handling systems - particularly for food, pharmaceutical, chemical and plastics applications.

We Improve

Bulk Storage By:

- Maintaining product quality and integrity

- Eliminating condensation inside silos

- Preventing mold growth

We Enhance

Pneumatic Conveying Systems By:

- Improving product flow

- Eliminating product buildup inside the conveying line

- Preventing products from sticking together during the conveying run