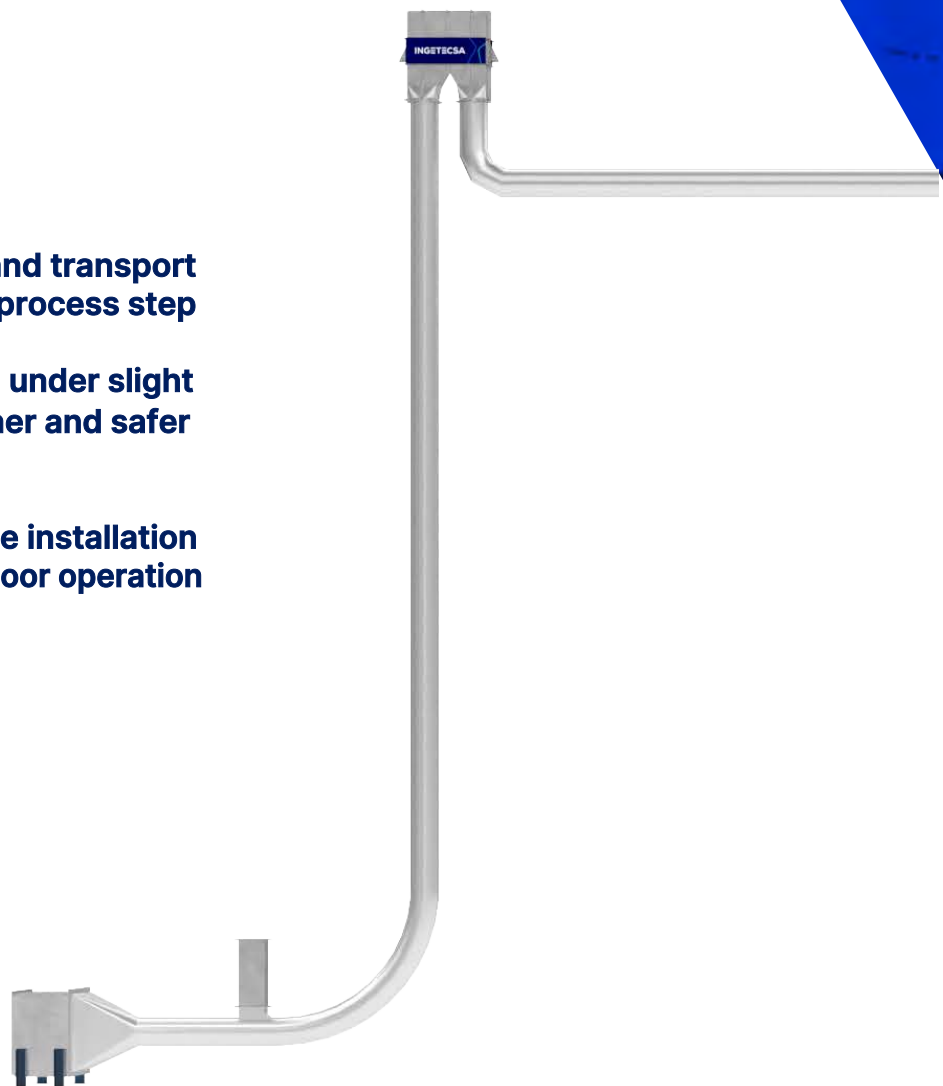


INGETECSA

Flash Cooler

- **Instant cooling and transport in one compact process step**
- **Closed operation under slight vacuum for cleaner and safer processing**
- **Low-maintenance installation for indoor or outdoor operation**



The Flash Cooler from INGETECSA is designed for rapid cooling of powders, granules and crystalline products in a compact and highly efficient process. The static cooling technology ensures maximum reliability while preserving product quality and flowability.

An exhaust fan draws ambient air through the Flash Cooler, creating a slight negative pressure throughout the system. Hot product is introduced into the cooling line where it is instantly dispersed and pneumatically conveyed by the air stream. Depending on the product characteristics, specially designed feeding systems such as eccentric feeders can be applied for handling sticky or difficult-flowing materials.

During transport, intensive contact between the product and cooling air rapidly reduces the product temperature. The cooled product is separated from the air stream and discharged for further handling or storage. The closed design minimises dust emissions while ensuring hygienic, safe and reliable operation.

The Flash Cooler combines two process functions in one compact unit: rapid cooling and pneumatic transport. The static design ensures high reliability and continuous operation across a broad range of industrial applications.

Typical applications



Food & Feed products



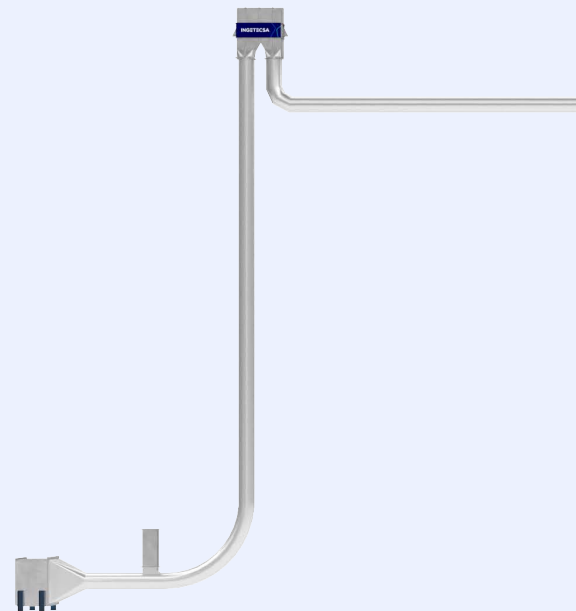
Minerals & Metals



Chemical industry

EXAMPLES

- Starches and fibres
- Dairy products
- (Critical) Minerals
- Fertilisers
- Rare earths
- Graphite
- Intermediate and basic chemicals
- Pigments
- Biotechnology



Advantages



Tougher than tough

Designed to operate under very demanding conditions.
Proven availability and reliability



Closed and safe operation

The Flash Cooler operates under slight negative pressure, minimising dust emissions and improving plant cleanliness, hygiene and operator safety



Integrated process step

- ↳ Simultaneous cooling and pneumatically conveying in a single compact process step, eliminating the need for other mechanical conveyors
- ↳ Suitable for both indoor and outdoor installation with reduced structural and platform requirements



Maintenance requirements

The static process design minimises maintenance requirements and simplifies plant operation



“Simultaneous cooling and pneumatically conveying in a single compact process step.”

INGETECSA

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