PRODUCT DATA SHEET

Parvus Pilot Dryer

Overview

From trial batches and small-scale production, the Parvus™ pilot spray dryers offer complete flexibility to create powder properties that seamlessly scale up and integrate with other pilot technologies, facilitating data generation crucial for full-scale production planning.

Key Features

- Full flexibility to develop powder properties
- Scalable to full-size production
- Suitable for a variety of applications
- Multiple customizable options
- Pre-assembled for quick and easy commissioning
- Designed to meet hygienic standards
- Easy cleanability

Available Options

Parvus Nomad spray dryer is a single stage, designed for 2 - 10kg (4 - 22 lb) of water evaporation

Parvus Multi-Stag designed for up to 25kg (55 lb) of water evaporation

Features & Options

	Parvus Nomad	Parvus Multi-Stage
FEED		
Balance tanks for product and water	x	x
Stainless steel dosing pump	x	x
RELCO atomization system with 2 fluid nozzle	x	x
CIP cleaning for nozzle		x
AIR DELIVERY SYSTEM FOR DRYING		
Stainless steel electric air heater, temperature sensors	x	x
Air filtration system	x	x
Air exhaust fan with frequency inverter	x	x
Air supply fan with frequency inverter		x
Set of ducts and transitions for equipment interconnection	x	x
Set of sanitary and industrial valves	x	x
Set of field instruments i.e. temperature and pressure transmitters	x	x
Hot air duct drying air intake	x	
DRYING SYSTEM		
RELCO vertical air distributer "neck" air inlet	x	x
"Neck" cooling ring	x	x
Drying chamber type "U-Tube"	x	x
Drying chamber type "Top Exhaust"		o
Insulation materials	x	x
Inspection door	x	x
Explosion Vent	x	x
Pneumatic vibrators	x	x
External vibrators		o
Cyclone	x	x
Collection bowls for final powder products	x	x
Exhaust stack	x	x
Fines return system		o
Baghouse (non-CIPable)		o
Skid-mounted	x	x
Product preheater	o	o
MCC + control panel	x	x
ADDITIONAL		
Deluge system		x

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