

**QUESTIONNAIRE PNEUMATIC CONVEYING SYSTEM**

GENERAL INFORMATION	
Company	
Address	
City	
Country	
Tel.nr.	
Fax.nr.	
Contact person	
Function	
Department	
Direct Tel./Fax nr.	
Name of Project	
Status of project	
Expected order date	
Required Delivery	

<b><u>Extra information:</u></b>

Please complete the following questionnaire and enclose a layout drawing and flow-diagram.

TECHNICAL INFORMATION PNEUMATIC CONVEYING SYSTEM		
<b>PRODUCT DATA</b>		
Name Product		
Chemical formula		
Product composition		1. - %
		2. - %
		3. - %
		4. - %
		5. - %
		6. - %
Bulk density	Kg/m <sup>3</sup>	Average :
	Kg/m <sup>3</sup>	Loose :
	Kg/m <sup>3</sup>	Tamped :
Specific weight		
Particle size	µm	Range :
	µm	d50 value : (if possible provide a sieve analysis)
Particle shape		Rounded
		sub round/round angular
		Sharp angular
		Irregular/string/fibrous
		Cubic
		Cylindrical
		Flaky
		Crystalline
Angle of repose	°	
Flowability		Very free flowing
		Free flowing
		Average flowing
		Sluggish
Abrasiveness	Mohs	
Moisture content	%wt	

Fat/oil content	%wt		
Fluidisable		Very good	
		Good	
		Reasonable	
		Not	
Product temperature	°C		
Max. handling temperature	°C		
Specific heat	Kcal/kg.°C		
Dust explosion characteristics			
Kst value	Bar.m/s		
Pmax.	Barg		
Min. Ignition energy	mJ		
Min. Ignition temperature	°C		
Lower explosion limit	g/m <sup>3</sup>		
Other characteristics		Builds up & hardens	
		Generates static electricity	
		Decomposes in storage	
		Flammable	
		Plastifying	
		Fluffy / dusty	
		Explosive dust	
		Sticky / adhesive	
		Contaminable	
		Degradable	
		Bridging	
		Forms lumps	
		Brittle	
		Caustic	
		Harmful / toxic dust / fume	
		Corrosive w.r.t. steel	
		Hygroscopic	
Interlocks / agglomerates			
Packs under pressure			
Elevates temperature			

APPLICATION DATA		
Conveying Capacity	ton/hour	
Time of operation	hours/day	
Conveying distances:		
Horizontal	Meters	
Vertical	Meters	
No. of Bends 90°	Pieces	
No. of Bends .45°	Pieces	
No. of Diverter valves	Pieces	
Distance blower/compressor to product supply	Meters	
Preference pneum. conveying system (f.i. High-/Medium-/Low pressure) (Positive-/Negative system )		
Conveying medium		
Installation		Indoor / outdoor
Area classification acc. to ATEX		
Product supply from		
Product supply dosed		Yes / no
		By :
Available height at product supply	Meters	
Product conveying to		
Electrical info:		
Voltage	Volt	
Phases	Ph	
Frequency	Hz	
Protection class	IP	
Insulation class		
Explosion protection class		
Ambient temperature min/max.	°C	
Installation height above sea level	Meters	
Max. relative humidity	%	
Material product-contact parts		
Material other parts		

Requirements for conservation:

Specific demands and standards:

Extra information: