

Vacuum Conveying Questionnaire

TECHNIlab

TECHNIlab representative :

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1. Customer information

Company _____ Tel _____
Contact person _____ Fax _____
Department _____ Tel _____
Address _____ email _____
Contry/post code/place _____

2. Material definition of the product to be conveyed

Trade name _____ Chemical designation _____ Manufacturer _____
Particle size (please state in μm or mm) from _____ Up to _____
Bulk density _____ kg/dm^3 Density (basic material) _____ kg/dm^3
Max. Humidity content _____ %
Particle description Crystal Sphère Cylinder Flakes
Flowing characteristics easy flowing sticky bridging
Is the material hygroscopic (does it absorb humidity) ? no yes
Is the material scouring / abrasive ? no yes

3. Conveying task

Conveying height (\uparrow) : _____ m Overall conveying distance ($\uparrow \rightarrow$) : _____ m
No of pipe-bends : _____ x _____ °
However, please attached a drawing showing distances and sections.
Desired transporting capacity : _____ kg/h _____ l/h
Design of product charging location : _____
(e.g. suction from hoppers, casks, sacks, silos, big-bags, plant equipment (dryers, mixers etc.) emptying of sheet metal)
Design of product discharging location : _____
(e.g. loading of process vessels, mixers, filling machines, screening machines, tablet presses, weighing vessels, collecting containers etc.)
IMPORTANT :Please give more precise statements about pressures, temperatures, ascending steams, solvents etc. if necessary.
Will the unit be used in ATEX area ? NO YES : suction place zone _____ installation place zone _____ ,
charging into zone _____
Is the material ignitable/explosive ? NO YES :Minimum ignition energy (MIE) of the products _____ mJ

4. Material requirements of the Conveying System

Which of these materials are allowed to be used for product contacting parts of the Conveying System ?
 Stainless steel 1.4301/AISI 304 Stainl.steel 1.4435/AISI 316 L Stainl.st 1.4571/AISI 316Ti
 HDPE (PE-HD) Nitrile/NBR Silicone PUR (Polyurethane) Others _____
Wich materials are NOT allowed to be used for product contacting parts ? _____
Are any special certificates necessary for the product contacting parts ? NO YES
Operative area of the unit Chemical Pharma Food Others : _____

5. Information about type of coupling required :

Flexible hose or piping/cyclone Stainl.steel tube + collar SMS sanitary screw Tri clamp
Emptying valve assembly Standard flange and bolts Rocking bolts Tri clamp

NOTE : If you send sample material for testing, we need to get it packed in a reusable packaging and together with a safety data sheet. All samples, containers etc. will be sent back to the sender after the trials. The freight charges will be billed to the customer.

Date, Signature