

Screening machine


Company

House No., street
City, State, ZIP code
Country

Point of contact

Given name, family name
Department
Telephone
Fax
E-mail

Request no/reference

Ms. Mr. Title

► Product information

Designation

Granular
Powdery

Coarse
Pulverulent

Other

Bulk weight

kg/dm³

Dumping angle

°

Particle size/particle distribution

mm

Moisture

% H₂O

Viscosity

(if applicable)

Temperature

°C

Product characteristics

Abrasive
Caking
Bridge-forming
Chemically aggressive
Electrostatically chargeable

Aliphatic
Hygroscopic
Sticky
Pourable
Torrential

Viscous
Dusty
Toxic
Other

► Is there material available for testing?

Material for testing

Yes

No

Safety data sheet available

Yes

No

Screening machine



► Information about the task

Task	De-agglomeration Fine screening Grading Continuously	Screening off of coarse/ oversized particles Protective screening Number of groups _____ Intermittently kg/h
Mode of operation		
Feed capacity	_____ mm	_____ mm
Desired mesh size(s)	_____ mm	_____ mm
Permissible proportion of oversized and undersized particles in the fine material	_____ %	
Permissible proportion of oversized and undersized particles in the bulk material	_____ %	
Design	Dust-proof Unpressurized	Other _____ Gas-proof/ pressure-proof up to _____ mbar

► Location of the screening machine

In the regular production area	On the hall floor	In a clean room
On a pedestal	Other _____	
in an earthquake zone	not in an earthquake zone	
Zone _____	Underground Class _____	

► Maximum available floor space

Length	_____ mm
Width	_____ mm
Height	_____ mm

► Estimated filling height from the top of the floor to the bottom of the out-flow

_____ mm

► What is the procedure for the product in-feed and/or what elements are there upstream and downstream?

Upstream	_____ _____ _____
Downstream	_____ _____ _____

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► Parts that come into contact with the product

Raw material	Stainless steel	Designation:	_____
	Mild steel	Designation:	_____
	Other	Designation:	_____
Surface treatment	Sandblasted SA 2 ½	Pickled and passivated Polished electrolytically Coated Other	_____
	Glass bead blasted		_____
	Polished grain		_____
	Max. roughness depth _____ µm		_____

► Parts that do not come into contact with the product

Raw material	Stainless steel	Designation:	_____
	Mild steel	Designation:	_____
	Other	Designation:	_____
Surface treatment	Sandblasted SA 2 ½	Pickled and passivated Polished electrolytically Coated Other	_____
	Glass bead blasted		_____
	Polished grain		_____
	Max. roughness depth _____ µm		_____

► 1. General

In which zone will the installation be deployed?

Gas, vapor or mist

dust

► continue to section 2

► continue to section 3

Note:

Our machines are designed for gas and dust Ex-Zones. A process-related intermixing of zones (hybrid mixture) causes deviations from the key explosion-relevant data (e.g. minimum ignition temperature, minimum ignition energy). This must be taken into consideration in the design of the machine. Should this be the case, please contact us.

Screening machine



► 2. Gas, vapor or mist

ATEX zone internal (product chamber)

2	1	0	none
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ATEX zone external (installation site)

2	1	none
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Temperature class

T1 ($\leq 450\text{ °C}$)	T2 ($\leq 300\text{ °C}$)	T3 ($\leq 200\text{ °C}$)
T4 ($\leq 135\text{ °C}$)	T5 ($\leq 100\text{ °C}$)	T6 ($\leq 85\text{ °C}$)

Explosion group (applicable for gases, vapors, mists)

IIA (e.g. propane)	IIB (e.g. ethylene)	IIC (e.g. hydrogen)
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► 3. Dust

ATEX zone internal (product chamber)

22	21	20	none
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ATEX zone external (installation site)

22	21	none
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Maximum permissible surface temperature (T)

_____ °C	Optional: glow temperature _____ °C
	ignition temperature _____ °C

Explosion group (applies to dusts with a minimum ignition energy of $> 3\text{ mJ}$)

IIIA (combustible lint and fibers)	IIIB (non-conductive dust)	IIIC (conductive dust)
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► 4. Supplementary information regarding the drive

Motor ignition protection category (does not apply for vibration motors)

Pressure resistant enclosure Ex d	Increased safety Ex e
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Screening machine



► Should the screening machine be provided with a spraying unit for liquid or cleanser?

Yes

No

► Is design in line with GMP and in accordance with EU guidelines required?

Yes

No

► What guidelines have to be considered when using materials with product contact?

none
FDAEU2023/2006
EU10/2011EU1935/2004
Other _____

► Control and power supply

Operating voltage

_____ V

Frequency

_____ Hz

If applicable/available:

Voltage type

IT network earthing system

TN-S network

Control voltage

Alternating voltage

Direct current voltage

_____ V

Auxiliary energy

Compressed air _____ bar

Nitrogen _____ bar

Type of protection

IP _____

Additional information

Screening machine



► Should the machine control or system control be offered as well?

Yes

No

Raw material

Stainless steel

Designation: _____

Mild steel

Designation: _____

Other

Designation: _____

Comments

► Please describe your cleaning procedure (e.g. frequency and duration of cleaning, cleaning agents used, temperature of cleaning medium, location of cleaning, etc.)

► Notes

► Attachments

► Quotation submission by

Screening machine



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If you click on the "Send" button after opening and filling in the request form, your email program will be opened automatically and the document will be attached automatically.