**IMPORTANT INFORMATION:** In order to fill in the request form and send it directly, you must first save it and then open it with Acrobat Reader. You can find more information on this at the end of the form.

Request

# Big bag emptying station

J. ENGELSMANN AG
The Experts for bulk solids processes

**Company** _____
House No., street _____
City, State, ZIP code _____
Country _____

**Point of contact** ○ Ms. ○ Mr. Title _____
Given name, family name _____
Department _____
Telephone _____
Fax _____
E-mail _____
**Request no/reference** _____

## ► Product information

Designation _____

○ Granular ○ Coarse
○ Powdery ○ Pulverulent ○ Other _____

| | | |
|---|---|---|
| Bulk weight | _____ | kg/dm³ |
| Bulk weight of the individual components | _____ | kg/dm³ |
| Dumping angle | _____ | ° |
| Grain size | _____ | mm |
| Moisture | _____ | % $H_2O$ |
| Viscosity | _____ | (if applicable) |
| Temperature | _____ | °C |

### Product characteristics

☐ Abrasive ☐ Aliphatic ☐ Viscous
☐ Caking ☐ Hygroscopic ☐ Dusty
☐ Bridge-forming ☐ Sticky ☐ Toxic
☐ Chemically aggressive ☐ Pourable ☐ Other _____
☐ Electrostatically chargeable ☐ Torrential

| | | |
|---|---|---|
| Material for testing | ○ Yes | ○ No |
| Safety data sheet available | ○ Yes | ○ No |

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## ► Information about the task

Feed capacity _____ kg/h
Big bags per h _____

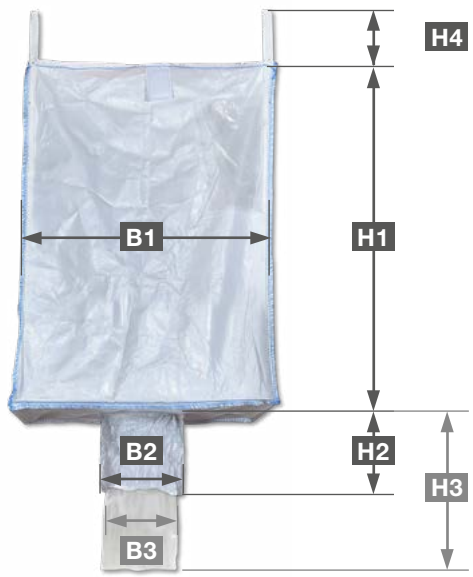
## ► Big bag information

**Straps** ○ No straps ○ 2 ○ 4

**Inliners** ○ Yes ○ No
Sewed on ○ Yes ○ No

**Max. weight** _____ Kg

**Dimensions**




B1 Big bag width _____ mm
B2 Ø Out-flow ports _____ mm
B3 Ø Inliners _____ mm
H1 Big bag height _____ mm
H2 Outlet port height _____ mm
H3 Inliner height _____ mm
H4 Strap length _____ mm

## ► Design

○ Emptying portal (crane/chain hoist available on-site)
○ Emptying station (loading with fork lift/on-site chain hoist)
○ with integrated crane runway/chain hoist
☐ Big bag loading gear
☐ Big bag tightening gear
☐ Aspiration
☐ Dust-proof
☐ Other _____

☐ Big bag emptying aids
  ☐ Loosening unit
  ☐ Bumpers
  ☐ Vibrating table
  ☐ Oscillating roller

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## ► Location of the big bag emptying station

- ○ In the regular production area
- ○ On a pedestal
- ○ in an earthquake zone
- ○ On the hall floor
- ○ Other _____
- ○ not in an earthquake zone
- ○ In a clean room

## ► 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

Connector Ø _____ mm DN _____ PN _____

## ► Further process or downstream component?

_____

_____

## ► Parts that come into contact with the product

Raw material
- ○ Stainless steel Designation: _____
- ○ Mild steel Designation: _____
- ○ Other Designation: _____

Surface treatment
- ○ Sand blasted SA 2 ½
- ○ Glass bead blasted
- ○ Polished grain
- Max. roughness depth _____ µm
- ○ Pickled and passivated
- ○ Polished electrolytically
- ○ Coated _____
- ○ Other _____

## ► Parts that <u>do not</u> come into contact with the product

Raw material
- ○ Stainless steel Designation: _____
- ○ Mild steel Designation: _____
- ○ Other Designation: _____

Surface treatment
- ○ Sand blasted SA 2 ½
- ○ Glass bead blasted
- ○ Polished grain
- Max. roughness depth _____ µm
- ○ Pickled and passivated
- ○ Polished electrolytically
- ○ Coated _____
- ○ Other _____

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## ► 1. General

**In which zone will the installation be deployed?**

○ Gas, vapor or mist ○ dust

**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.

## ► 2. Gas, vapor or mist

**ATEX zone internal** (product chamber)

○ 2 ○ 1 ○ 0 ○ none

**ATEX zone external** (installation site)

○ 2 ○ 1 ○ none

**Temperature class**

○ T1 (≤ 450 °C) ○ T2 (≤ 300 °C) ○ T3 (≤ 200 °C)
○ T4 (≤ 135 °C) ○ T5 (≤ 100 °C) ○ T6 (≤ 85 °C)

**Explosion group** (applicable for gases, vapors, mists)

○ IIA (e.g. propane) ○ IIB (e.g. ethylene) ○ IIC (e.g. hydrogen)

## ► 3. Dust

**ATEX zone internal** (product chamber)

○ 22 ○ 21 ○ 20 ○ none

**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 mJ)

○ IIIA (combustible lint and fibers) ○ IIIB (non-conductive dust) ○ IIIC (conductive dust)

## ► 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

## ► 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 ○ EU2023/2006 ○ EU1935/2004
○ FDA ○ EU10/2011 ○ 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 _____
_____

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## ► 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

_____
_____
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## ► Attachments

_____
_____
_____

## ► Quotation submission by

_____

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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.

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