

QUESTIONNAIRE – BIG-BAG DISCHARGE STATION BSB

Please complete the form fields and return the questionnaire to biuro@interprocess.pl – we will prepare our quotation on this basis. Any questions: tel. +48 787 783 590.

CONTACT DETAILS

Full name:		Phone number:	
Company:		E-mail address:	
Street and number:		Country:	
Postcode, town:		Date completed:	

ORDER

Quantity:		Required delivery date:	
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MATERIAL

Material name:			
Particle size [mm]:		Bulk density [kg/m³]:	
Moisture content [%]:		Angle of repose [°]:	
Material temperature [°C]:	☐ 0–40 ☐ other:		
Material properties:	☐ free-flowing ☐ medium-flowing ☐ poor-flowing ☐ dusty ☐ abrasive ☐ friable ☐ sticky ☐ cohesive (caking) ☐ hanging up, bridging ☐ hygroscopic ☐ aeratable (flooding) ☐ toxic ☐ chemically aggressive (corrosive) ☐ intended for food contact / pharmaceutical product		

REQUIREMENTS

Discharge rate [kg/h, t/h]:		Big-bags per hour:	
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BIG-BAG DETAILS

Number of lifting loops:	☐ 1 ☐ 2 ☐ 4
Maximum bag weight [kg]:	
Inner liner:	☐ no ☐ yes
Bag bottom:	☐ with spout ☐ flat (cut open)
Bag:	☐ single-use ☐ reusable
B1 – bag length [mm]:	
B2 – spout diameter [mm]:	
H1 – bag height [mm]:	
H2 – spout length [mm]:	
H3 – loop height [mm]:	
L1 – bag width [mm]:	



DESIGN

Space constraints [mm]:	length:	width:	height:
Discharge station location:			
Bag spout sealing:	☐ docking module – mechanical spout clamping (dust-free discharge) ☐ docking module with inflatable seal (enhanced tightness) ☐ other:		
Bag delivery to station:	☐ integrated bag handling system (runway beam with chain hoist) ☐ bag loaded by forklift truck ☐ bag loaded by plant overhead crane (crane occupied throughout discharge) ☐ bag massaging module with pneumatic cylinders (for poor-flowing materials) optional: ☐ additional side cylinders (materials very difficult to discharge) ☐ bag support table (free-flowing materials only, e.g. granules) optional: ☐ electric vibrator mounted on bag support table ☐ other:		
Discharge aids:			

Receiving equipment below station: ☐ no ☐ yes → ☐ screw conveyor ☐ rotary valve ☐ knife gate
☐ pneumatic conveying: ☐ vacuum ☐ pressure
☐ feeder: ☐ volumetric screw ☐ gravimetric screw
☐ gravimetric belt ☐ gravimetric vibratory
feeding: ☐ continuous ☐ batch
☐ other:

Frame construction: ☐ powder-coated carbon steel (polyester coating)
☐ C5 paint system to EN ISO 12944 ☐ other:
☐ stainless steel 1.4301 (AISI 304) ☐ stainless steel 1.4404 (AISI 316L)
Product-contact parts: ☐ stainless steel 1.4301 (AISI 304) ☐ stainless steel 1.4404 (AISI 316L)

Hygienic design – options (please tick each option separately)

- ☐ continuous internal and external welds
☐ 'easy-clean' design (hollow sections set diamond-wise, minimised dust-collecting surfaces)
☐ internal surfaces ground to roughness Ra < 0.8 µm
☐ non-steel product-contact parts compliant with FDA and Regulation (EC) No 1935/2004
☐ Rittal HD (Hygienic Design) series electrical enclosures

☀ OPERATING ENVIRONMENT

Ambient temperature [°C]: ☐ 0–40 ☐ other:
Installation site: ☐ indoors ☐ outdoors, under cover ☐ outdoors, uncovered
ATEX – explosion hazard zone: ☐ no ☐ yes → please specify below:
gases, flammable liquid vapours inside equipment: ☐ 0 ☐ 1 ☐ 2 outside: ☐ 1 ☐ 2
explosion group and temperature class:
combustible dusts inside equipment: ☐ 20 ☐ 21 ☐ 22 outside: ☐ 21 ☐ 22
dust parameters dust explosion class: ☐ St 1 ☐ St 2 ☐ St 3 ☐ conductive dust (IIIC)
minimum ignition energy [mJ]:
min. ignition temp. [°C] – dust cloud: 5 mm dust layer:

🏠 CONTROL AND WEIGHING SYSTEM

Weighing system: ☐ no ☐ yes
Bag discharge control: ☐ no ☐ yes
Control cabinet IP65: ☐ powder-coated steel ☐ stainless steel 1.4301 (AISI 304) ☐ other:
Control cabinet location: ☐ on station frame
☐ away from station – cable run length [m]:
☐ in customer's control cabinet (controller with switchgear) – cable run [m]:
Communication: ☐ Modbus TCP ☐ Modbus RTU ☐ EtherNet/IP ☐ PROFIBUS DP
☐ PROFINET ☐ other:

≡ INSTALLATION SITE AND ADDITIONAL REMARKS

Description of discharge station installation site (e.g. upstream and downstream equipment, available space and operator access, method of mounting, available utilities):

Additional remarks/requirements (e.g. process description, special requirements, scope of supply, documentation, installation, commissioning):

If possible, please attach drawings, a plant layout or photos of the installation site and the material safety data sheet (SDS).