

QUESTIONNAIRE – GRAVIMETRIC VIBRATORY FEEDER

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

Feed rate [kg/h]:	min.: _____	max.: _____	nominal: _____
Feeding mode:	☐ continuous → permissible feeding error [± % of setpoint]: _____ ☐ batch (discontinuous) → batch weight [kg]: _____ batches per hour: _____ permissible batch error [± g, kg]: _____		

DESIGN

Hopper refill:	☐ manual (hinged lid with handle and inlet grid) ☐ automatic (inlet connection and vent connection)
Feeder location:	
Feeder application:	
Product-contact parts:	☐ stainless steel 1.4301 (AISI 304) ☐ stainless steel 1.4404 (AISI 316L)
Non-contact parts:	☐ powder-coated carbon steel (polyester coating) ☐ stainless steel 1.4301 (AISI 304) ☐ stainless steel 1.4404 (AISI 316L)
Standard finish:	electropolished or glass-bead blasted surfaces, continuous internal welds, non-steel product-contact parts with FDA certificate

Hygienic design – options (please tick each option separately)

- ☐ continuous external welds
- ☐ easy access to product-contact parts – tool-free quick removal of tray for cleaning
- ☐ easy internal access – removable hopper lid with hook latches
- ☐ ‘easy-clean’ support frame (hollow sections set diamond-wise, easy access for cleaning, minimised dust-collecting surfaces)
- ☐ internal surfaces ground to roughness Ra < 0.8 µm
- ☐ seals and non-steel parts with declaration of compliance with Regulation (EC) No 1935/2004
- ☐ Rittal HD (Hygienic Design) series electrical enclosures

POWER SUPPLY

Supply voltage and frequency:	☐ 230 V AC ☐ 400 V AC ☐ other: _____	☐ 50 Hz ☐ 60 Hz
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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 SYSTEM

Scope of supply:	☐ with control system ☐ without control system (control by customer)
HMI operator panel:	☐ no ☐ yes → ☐ on control cabinet ☐ in separate enclosure at feeder
Control cabinet IP65:	☐ powder-coated steel ☐ stainless steel 1.4301 (AISI 304) ☐ other:
Control cabinet location:	☐ on feeder – left side ☐ on feeder – right side
	☐ away from feeder – 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 feeder 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).