

GRAVIMETRIC SCREW FEEDER QUESTIONNAIRE

CONTACT DETAILS

Name and surname: Country:
 Company: Phone number:
 Street: E-mail:
 City: Date:

MATERIAL

Material name:
 Grain size [mm]:
 Bulk density [kg/l]:
 Moisture content [%]:
 Embankment angle [°]:
 Material temperature [°C]: 0-40 other:
 Material features: well-flowing medium-flowing difficult flowing
 abrasive brittle stick compressible dusty
 easily aerating ("uncontrolled flowing") bridging
 hygroscopic toxic chemically aggressive

REQUIREMENTS

Feed rate [kg/h]: min.: max.:
 Maximum dosing error [% of the set value]:
 Dosing mode: Continuous Batch → Portion weight [kg]:
 Number of portions per hour:

CONSTRUCTION

Model

DSL35 G → **Total capacity of the feeder** 30 l 40 l 65 l
 DSL75 G → **Total capacity of the feeder** 100 l 200 l 300 l
 DSL150 G → **Total capacity of the feeder** 400 l 600 l 1200 l 1800 l 2400 l

Round hopper (optional) (for DSL35 G and DSL75 G)

not yes → additional, vertical agitator for materials that are particularly difficult to dose not yes

Refilling the hopper

manual (hinged cover with a handle and a charging grate)
 automatic (inlet opening and connection to the dust extraction system))

Chamber for manual emptying of bags with connection to a dust extraction system (only for DSL75 G)



not
 yes

The total capacity of the DSL75G feeder is then 350 liters.

Place of installation of the feeder (e.g. under the BIG-BAG emptying station)

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Application of a feeder (e.g. working as a separate device, in mixing lines, as an element of packaging systems)

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Execution

Components in contact with the material:

- stainless steel 1.4301 (AISI304) stainless steel 1.4404 (AISI 316L)

Components not in contact with the material:

- carbon steel, powder coated with polyester paint, coating thickness 70-80 µm
 stainless steel 1.4301 (AISI304) hygienic version – stainless steel 1.4404 (AISI 316L)

Finish

- standard - electropolishing of the total surface, continuous internal welds
 hygienic - electropolishing of the total surface, internal surface grinding to $Ra < 0.8 \mu m$, 316L stainless steel, continuous internal and external welds, support frame made of 316L stainless steel



MOTOR

- SEW gearmotor 3x400 V AC with protection degree IP65
 SEW gearmotor 3x500 V AC with protection degree IP65
 SEW gearmotor in aseptic version, protection degree IP66
 Other:

Frequency [Hz]:

The motor is controlled by an inverter.



ENVIRONMENT

Working temperature [°C]:

- maximum 40 other:

ATEX:

- not yes → Gases, liquids and their vapors
 Inside the device: 0 1 2
 Outside the device: 1 2

Explosive dusts:
 Inside the device: 20 21 22
 Outside the device: 21 22

ADDITIONAL OPTIONS

Vertical outlet pipe (A):

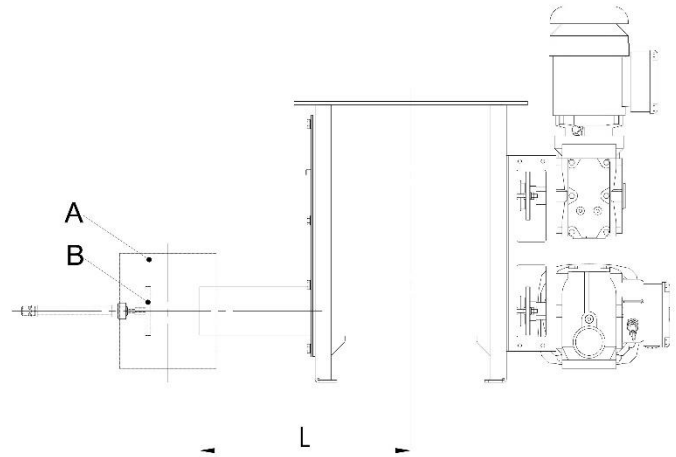
not yes

Material flow shut-off valve for batch mode (B):

not yes

Extended outlet pipe:

not yes → L [mm]:



ORDER

The number of items:

CONTROLLER

Control cabinet installation place:

on the feeder frame → left side right side
 separately

Communication:

Modbus TCP Modbus RTU Ethernet IP Profibus DP Profinet
 FINS

ADDITIONAL COMMENTS

Comments:

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