**VOLUMETRIC SCREW FEEDER QUESTIONNAIRE**

**CONTACT DETAILS**

Name and Surname: Click to enter name and surname.
Company Click to enter company.
Street: Click to enter street.
City: Click to enter city.
Country: Click to enter country.
Phone number: Click to enter phone number.
E-mail: Click to enter email address.
Date: Click to enter the date.

 **ORDER**

The number of items: Click to enter the number of items.

** MATERIAL**

Material name: Click to enter material name.
Grain size [mm]: Click to enter grain size.
Bulk density [kg/m3]: Click to enter bulk density.
Moisture content [%]: Click to enter moisture content.
Angle of repose [o]: Click to enter angle of repose.
Material temperature [oC]: [ ]  0-40 [ ]  other: Click to enter other temperature.
Material features: [ ]  well- flowing [ ]  medium flowing [ ]  difficult-flowing [ ]  abrasive [ ]  brittle [ ]  stick [ ]  compressible [ ]  dusty [ ]  easily aerating (“ uncontrolled flowing”) [ ]  bridging [ ]  higroscopic [ ]  toxic [ ]  chemically aggressive

 **REQUIREMENTS**

Feed rate [kg/h]: min.: Enter V min. max.: Enter V max.
Dosing mode [ ]  continuous → maximum dosing error [% of set value]:

 Click to enter dosing error in %.
 [ ]  batch → maximum dosing error [kg, g]

 Click to enter dosing error in kg, g.

Vertical outlet pipe (A):
[ ]  not [ ]  yes

Material flow shut-off valve for batch (B):
[ ]  not [ ]  yes

Extended outlet pipe:
[ ]  not [ ]  yes → L [mm]: Click to enter L

** CONSTRUCTION**

***Model***

[ ]  DSL35 V → ***Hopper*** [ ]  not [ ]  yes → ***Total capacity of the feeder***  [ ]  30 l [ ]  40 l [ ]  65 l [ ]  other: Enter capacity l.

[ ]  DSL75 V → ***Hopper*** [ ]  not [ ]  yes → ***Total capacity of the feeder***  [ ]  100 l [ ]  200 l [ ]  300 l [ ]  other: Enter capacity l.

[ ]  DSL150 V → ***Hopper*** [ ]  not [ ]  yes → ***Total capacity of the feeder***  [ ]  400 l [ ]  600 l [ ]  1200 l

 [ ]  1800 l [ ]  2400 l [ ]  other: Enter capacity l.

***Round hopper (optional) (for DSL35 V and DSL75 V)***

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

***Refilling the hooper***

[ ]  manual (hinged cover with a handle and a charging grate)

[ ]  automatic (inlet opening and connection to the dust extraction system)

***Place of installation of the feeder e.g. under the Big-Bag emptying station, etc.***

Click to enter the exact place of installation of the feeder.

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

Click to enter the application of the feeder.

***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)

***Finish***

[ ]  standard- electropolishing of the total surface, continuous internal welds

[ ]  hygienic- continuous internal and external welds ground, electropolishing of all surfaces, ground surfaces in contact with material (Ra<0.8μm). Gearmotors in aseptic version (does not apply to ATEX version).

 **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: Click to enter other type of motor.

Frequency [Hz]: Click to enter frequency.

***The motor is controlled by an inverter.***

 **ENVIRONMENT**

Working temperature [oC]: [ ]  maximum 40 [ ]  Other: Click to enter the other temperature.
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 [ ]  conductive dust (IIIC)

 Dust explosion classification:

 [ ]  ST1 [ ]  ST2 [ ]  ST3

 Minimum ignition temperature [°C]

 Click to enter minimum ignition temperature [oC].

 Minimum ignition energy [mJ].

 Click to enter minimum ignition temperature [mJ].

 **SYSTEM CONTROL**

[ ]  Without Control System [ ]  Control system with range linearization

Control Cabinet IP65
[ ]  powder- coated [ ]  Stainless steel 1.4301 (AISI304)

[ ]  Other Enter type.

Control cabinet installation place: [ ]  on screw feeder on left side

 [ ]  on screw feeder on right side

 [ ]  separately. The length of the cable routes [m]

 Click to enter the length of the cable routes.

 [ ]  in Client’s control cabinet. The length of the cable routes [m]

 Click to enter the length of the cable routes.
Communication: [ ]  Modbus TCP [ ]  Modbus RTU [ ]  Ethernet IP [ ]  Profibus DP

** ADDITIONAL COMMENTS**

Comments:

Click to enter additional comments.