Bulk conveyor SCB4-600

Pneumatic conveying systems give You the right amount of bulk goods.
The working environment is improving. Small space requirement.
Total automation.

The SCB4-600 is a reliable and safe transmitter for lighter transport cases.

With the Scanmatic SCB4-600, mainly powdered materials are transported.

The transport is controlled through fluidization and pressure monitoring.
The following criteria should be met to ensure transport:

- Bulk volume weight <2,5 kg/dl
- Particle size <0,7 (apex on the normal distribution curve).

Article number: P-010020

SCB4-600 is manufactured in the following sizes

Min. A = 575 mm. (gross volume = 50 litres)
Max. A = 2175 mm. (gross volume = 500 litres)
For capacities from 0.25 to 6 m^3/h.

Current design: 2a, 3a, 4a, 5a, 6a, 7a, 8a 9b, 10a.

1. Pressure vessel

- Cylindrical made of pressure vessel steel and approved according to the European Pressure Equipment Directive (PED) for working pressure max 400 kPa, operating temperature -20 °C to +200 °C

2. Air arrangement

- Consisting of required piping, angle seat valve for fluidization, as well as check valve, pressure regulator, manometer, and safety valve.
  a. Connection. DN25.
  b. Special according to current drawing.

3. Level sensor

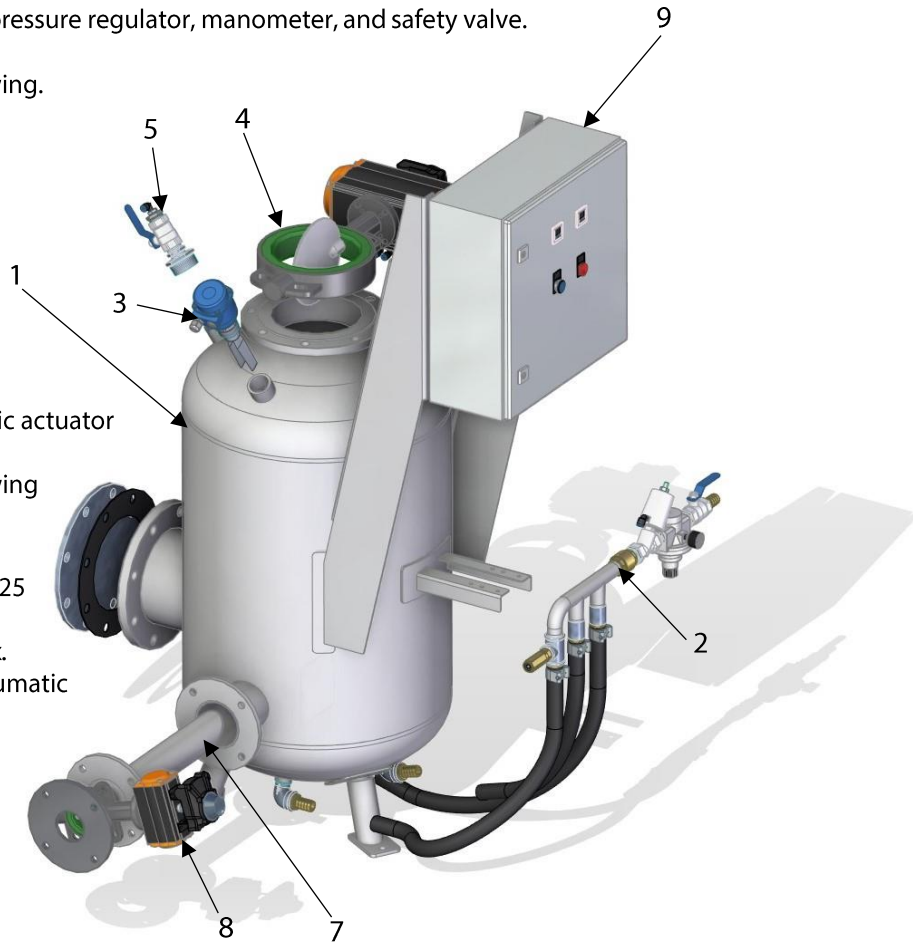
- Vibrating tuning fork
  a. Std. Relay 24–240 VAC.
  b. PNP 24 VDC.
  c. Weighing equipment.

4. Inlet

- Connection DN100 – DN250.
  a. Std. Butterfly valve with pneumatic actuator and limit switch box.
  b. Special according to current drawing

5. Deairation

a. Std. Manual ball valve connection. DN25
b. Butterfly valve conn. DN50 with pneumatic actuator and limit switch box.
c. Ball valve connection. DN50 with pneumatic actuator and limit switch box.



6. Leg stand

a. Std. Three legs from floor.
b. Hanging from inlet flange.

7. Outletpipe

a. Std. Bottom drained.
b. Top drained.

8. Outlet valve

a. Std. Pneumatic valve conn. DN32-80 with pneumatic actuator and limit switch box.
b. Special according to current drawing.

9. Electricity and Automation

- With solenoid valve packages and pressure switches.
  a. Std. Complete with PLC control.
  b. Terminal cabinet.

10. Surface treatment

a. Std. According to Scanmatic surface treatment program **BE00-002.**
b. According to customer specification presented on current drawing.