Pneumatic dense phase conveying by a push conveying process with high load and slow conveying speed for gentle conveying; suitable for sensitive and corrosive bulk solids

Advantages:

- For granulates, dusts and mixtures
- Slow and gentle conveying with less compressed air and energy consumption
- Simple, cost-effective system assembly
- Less wear and tear due to low speed
- No segregation of mixtures
- Efficient operation even with inert gases
- No angel hair formation in case of plastic granulates
- Small exhaust air filters due to low air volumes
- No particle breakage due to mechanical moving parts
- Stainless steel construction: Corrosion-resistant due to seamless welding and the use of high-alloyed stainless steels; suitable for foodstuff and chemical/pharmaceutical products due to the design having smooth surfaces and no dead zones; electropolished at the customer’s request or additional surface treatment
Characteristics:

- Complete assembly is TÜV-certified as per the pressure equipment directive 97/23/EC
- Item 1: Material inlet valve and sender seal as a butterfly valve, type DKP-D, pressure-tight
- Item 2: Pressure vessel 40-2500 dm³, rated for endurance strength, as per the pressure equipment directive 97/23/EC category IV module G
- Item 3: Welded steel outlet bend
- Item 4: Safety valve 6 bar, as per the pressure equipment directive 97/23/EC
- Item 5: Aeration stick made of porous stainless steel; to be used as a discharge aid
- Item 6: Air exhaust valve as a ball valve; pneumatically actuated, currentless open; approved as per the pressure equipment directive 97/23/EC; for connecting to the air exhaust pipeline
- Item 7: Complete pneumatic installation; for automatic operation, with the TÜV-certified EMSR technique as per the pressure equipment directive 97/23/EC for controlling the conveying cycle and for additional safety from malfunctions and incorrect operation
Pneumatic sender with installation in the cabinet (optional)
DKP-D 200 butterfly valve with an inflatable sealing

Insulation space requirement 100 mm

Content
Z = 0 = 40 litres
Z = 130 = 65 litres
Z = 260 = 90 litres

Support foot
0°, 120°, 270°

Aeration and exhaust neck G 1 ½"

Level indicator neck G 1 ½"

Aeration stick neck G 1 ½"

Reserve neck G 1 ½"
Insulation space requirement 100 mm

Content

\[ Z = 0 = 110 \text{ litres} \]
\[ Z = 130 = 222 \text{ litres} \]
\[ Z = 260 = 333 \text{ litres} \]

Special outlet bend

Support foot 0°, 120°, 240°

Level indicator neck G 2"

Reserve neck G 2"

Neck for aeration stick G 1 ½"

Neck for safety valve G 1 ½"

Aeration and exhaust neck G 1 ½"
solids Pneumatic Conveyor Type PIP,
Industrial / Fine Chemistry / Hygiene Version

Insulation space requirement 100 mm

Content
Z = 0 = 450 litres
Z = 300 = 680 litres
Z = 600 = 910 litres
Z = 1000 = 1215 litres

Support foot
0°, 120°, 240°

Level indicator
neck DN 100 PN 6

Reserve
neck DN 100 PN 6

Aeration and exhaust neck
DN 50 PN 10

Neck for aeration stick
DN 100 PN 10

DKP-D 250 butterfly valve with an inflatable sealing

Special outlet bend
solids Pneumatic Conveyor Type PIP,
Industrial / Fine Chemistry / Hygiene Version

- Support foot 0°, 120°, 240°
- Reserve neck DN 100 PN 6
- Neck for aeration stick DN100 PN 10
- Aeration and exhaust neck DN 50 PN 10
- Special outlet bend
- Level indicator neck DN 100 PN 6
- Insulation space requirement 100 mm
- DN 100 PN 6 aeration and exhaust neck
- DKP-D 250 butterfly valve with an inflatable sealing

Content:
- Z = 0 = 1005 litres
- Z = 130 = 1525 litres
- Z = 260 = 2045 litres
- Z = 1200 = 2570 litres

S.S.T.-Schüttguttechnik Maschinenbau GmbH
Lechwiesenstr. 21, 86899 Landsberg / Lech
Tel. 0049 (0)8191-3359-50 / Fax 0049 (0)8191-3359-55
E-mail SST@solids-service.de  www.solids.de