Pneumatic dense phase conveying by a push conveying process with high load and slow conveying speed for gentle conveying; suitable for sensitive and abrasive bulk solids,
Special version: even for high temperatures up to 250 °C

Advantages:
- For granulates, dusts and mixtures
- Slow and gentle conveying with less compressed air and energy consumption
- Simple, cost-effective system assembly
- Less wear 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
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 pivoting shutter type SSP, pressure-tight up to 6 bar
- Item 2: Pressure vessel 90-2500 dm³, as per the pressure equipment directive 97/23/EC category IV module G
- Item 3: Special wear-resistant cast outlet bend
- Item 4: Safety valve 6 bar, as per the pressure equipment directive 97/23/EC
- Item 5: Aeration stick, height adjustable, 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
solids Pneumatic Conveyor Type PHP,
Heavy Industrial Version

Stainless steel version:

Optional: Pneumatic installation in cabinet:
solids Pneumatic Conveyor Type PHP,
Heavy Industrial Version

Pivoting shutter SSP 150
with an inflatable sealing

Insulation space
requirement 100 mm

Content
Z= 0 = 123 litres
Z= 300 = 235 litres
Z= 600 = 345 litres
Temperature: max. +250 °C
Permissible operating pressure 6 bar

Support foot
0°, 120°, 240°

Level indicator
neck DN 100

Reserve neck
DN 100

Aeration stick neck
DN 100 PN 10

Exhaust connection
1 ¼"
solids Pneumatic Conveyor Type PHP,
Heavy Industrial Version

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- Pivoting shutter SSP 250 with an inflatable sealing
- Insulation space requirement 100 mm
- Content
  Z= 0 = 450 litres
  Z= 300 = 680 litres
  Z= 600 = 910 litres
  Z= 1000 = 1215 litres
- Temperature: max. +250 °C
- Permissible operating pressure 6 bar

- Support foot 0°, 120°, 240°
- Level indicator neck DN 100
- Reserve neck DN 100
- Aeration and exhaust neck DN 50 PN 10
- Aeration stick neck DN 100 PN 10
- Exhaust connection 1 ¼"
- Special outlet bend SPN

- Z= 0 = 450 litres
- Z= 300 = 680 litres
- Z= 600 = 910 litres
- Z= 1000 = 1215 litres
- Temperature: max. +250 °C
- Permissible operating pressure 6 bar

- Support foot 0°, 120°, 240°
- Level indicator neck DN 100
- Reserve neck DN 100
- Aeration and exhaust neck DN 50 PN 10
- Aeration stick neck DN 100 PN 10
- Exhaust connection 1 ¼"
- Special outlet bend SPN
solids Pneumatic Conveyor Type PHP,
Heavy Industrial Version

Content
Z = 0 = 1005 litres
Z = 300 = 1525 litres
Z = 600 = 2045 litres
Z = 1000 = 2570 litres
Temperature: max. +250 °C
Permissible operating pressure 6 bar

Support foot 0°, 120°, 240°

Level indicator
neck DN 100

Reserve neck
DN 100

Aeration stick neck
DN 100 PN 10

Exhaust connection
1 ¼"

Aeration and exhaust
neck DN 50 PN 10

El.- pneum. pivoting
shutter installation

Special outlet bend SPN

Pivoting shutter SSP 350
with an inflatable sealing

Insulation space requirement 100 mm