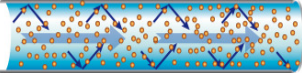
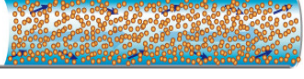
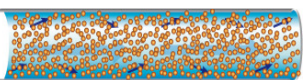
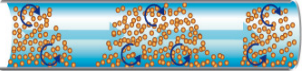
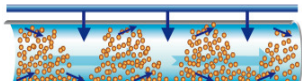

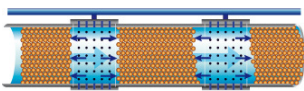
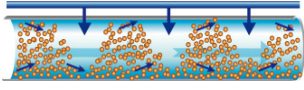
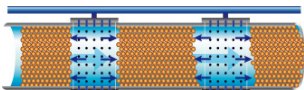


solids Pneumatic Conveying Systems – The most advantageous system for every product and every task

Flow mode	Description	Vacuum up to bar (abs.)	Pressure up to bar (abs.)	Granulation from - to µm (mm)	Velocity m/sec Beg. End.	Loading µ kg/Prod kg/Gas	Product example
solids Fly Pneu 	Dilute phase conveying Classic dilute phase conveying system for suction- or pressure-conveying. Particles and particle clouds or- strands are carried by air flow.	0,5	2,5	0,0005 - 20	product 12 - 36 air 15 - 45	up to 10	flours, grain, semolina, dusts, chips, powders
solids Fluid Pneu 	Dense phase pressure conveying Fluidised powders are carried as homogeneous material-/air mixture using thrust.	0,2	4,0	0,01 - 1	product 3 - 15 air 5 - 20	15 - 30	cement, lime stone, flue ash, bentonite, quick lime, lime hydrate, PVC, adsorbent, powders, terephthalic acid, chalc
solids Vacu Fill 	Dense phase-vacuum batch conveying Products are carried fluidised or streamed using suction power.	0,2	/	0,01 - 5	product 1 - 15 air 3 - 20	15 - 30	dusts, synthetical granulates, fibers, minerals, flours, semolina, food granulates
solids Step Pneu 	Push conveying with indicated plug formation. Grainy products with close grain spectrum are streamed and "slided" as stand or plug. The plug flow is indicated by air impulse.	/	6,0	1 - 10	product 0,5 - 10 air 1 - 15	20 - 40	sands, granulates, ash, nuts, peas, beans, activated carbon, pills, pastilles, coffee beans
solids Split Pneu 	Dense phase conveying with bypass and cones or boosters for demanding bulk solids. For avoiding blockage longer plugs are being dissolved.	/	4,0	0,001 - 1	product 3 - 15 air 5 - 20	15 - 40	Minerals, titanium dioxide, metal oxides, chalc, milk powder, pastes, PVC, dust carbon black, lead oxide, metal powder
solids Puls Pneu 	Low velocity conveying with bypass, impulse valve and relay stations. Plugs are generated and preserved and "slided" through conveyor pipes. Gentliest low velocity conveying for sensitive and abrasive products.	/	5,0	0,001 - 10	product 0,5 - 6 air 1 - 9	20 - 60	sugar, spray granulates, instant products, milk powder, carbon silicide, abrasants, hard minerals, sodium percarbonate, instant coffee, adipic acid, pelletised carbon black, flakes, chips

<p>solids Vibro Puls Pneu</p> 	<p>Plug conveying with bypass, impulse valve and relay stations. Non-flowing products are inserted with vibration and pressure into the conveyor pipes, plugs are generated und preserved and are slided without demixing through the conveyor pipes .</p>	/	5,0	0,0005 - 20	<p>product 0,5 - 10 air 1 - 15</p>	20 - 100	damp sands, centrifugal damp solids, cohesive products, mixtures, convenience blends, dry plaster, recycling-material, sherds, carbon, coke
<p>solids Vacu Dense</p> 	<p>Vacuum plug conveying with impulse valve and pressure bypass for slow and gentle suction conveying.</p>	0,2	/	0,001 - 5	<p>product 0,5 - 10 air 2 - 15</p>	20 - 40	spray granulates, instant products, hard minerals, milk powder, sands, granulates, ash, legumes, flakes, chips, pelletised carbon black, adipic acid, metal powder
<p>solids Truck Discharge</p> 	<p>Low velocity conveying with bypass, impulse valve and relay stations like „solids Puls Pneu“ using the silo truck as pressure vessel.</p>	/	3,0	0,01 - 10	<p>product 0,5 - 6 air 1 - 9</p>	20 - 60	sugar, spray granulates, instant products, milk powder, carbon silicide, abradants, hard minerals, sodium percarbonate, instant coffee, adipic acid, pelletised carbon black, flakes, chips