

High Vacuum Conveyors



Dense phase conveying is the conveying in which the air speed is further reduced to a value under 10m/s and the vacuum is increased to values over 800mbar. The air speed is not able to generate a sufficient force to allow the product particles floating. The product remains therefore compact and is completely conveyed in "blocks" (plugs). The energy needed for this conveying condition is comparable with the half-dense phase one but it is applicable also for the transport of viscous or liquid products.

We offer a pneumatic conveyor system suitable to transfer mixed powders with different specific weights: with a high depression and low flow rate, you can keep the homogeneity of the product.

The loading hopper is combined with a high vacuum pump with painted or stainless steel housing, available with different powers.

This pneumatic conveyor is especially used in chemical, pharmaceutical and food industry.

We can realize complete systems with loading cells and dosing systems, according to customer specifications.