



bottle pneumatic transfer



Lanfranchi offers different solutions of pneumatic conveying systems for the movement of empty plastic bottles particularly from PP and HDPE material. The pneumatic conveying systems from Lanfranchi are sturdy and deliver efficient results. These systems are built in stainless steel but PVC version of the pipes is also available and it requires low maintenance. They are suitable for wash down treatments and inspection openings are installed for quality control. The large diameter pipe version can be also installed outdoor after insulation and this capability provides added flexibility for the layout design.

Typical applications include: transferring empty plastic bottles from the extrusion blow machines to the storage silos and from the storage silos to the unscrambler. For all the applications that require to move large volumes of plastic product at long distances, Lanfranchi pneumatic conveying systems are the most flexible and cost effective solutions.

large diameter pneumatic conveyors system

The large diameter refers to the pipe used as conveyor and is recommended for moving bottles at long distance.

The bottles move inside the large diameter pipe without hitting each other too hard, therefore the bottles reach the destination without scuffing.

The large diameter pipe can be installed outside the building offering particular benefits in conveyors layout design.

The power installed to cover the long distance typical of these installations is minimal if compared to the amount of bottles or scraps transferred.



Venturi group



View of bottle pickup at exit of storage silo



View of installation of large diameter pipe positioned outside



Inspection glass

pneumatic conveyors system for bottles

This version of pneumatic conveyor uses pipes with smaller diameter comparing to the previous version. Plastic bottles are moved with this version but due to the smaller diameter it is possible to include flow dividers up to 6 lanes with greater flexibility of the conveying operations.



PVC or stainless steel

both are available for different applications. Fans with noise absorbing case.

intermediate cyclone

In this application an intermediate cyclone is collecting, in a filling room, 5 pneumatic conveyors coming from neck trimmer plus 3 pneumatic conveyors for bottles rejected. All of them are collected and transported through a single large pipe (diameter 350 mm) to the grinder located 250 m further away.

