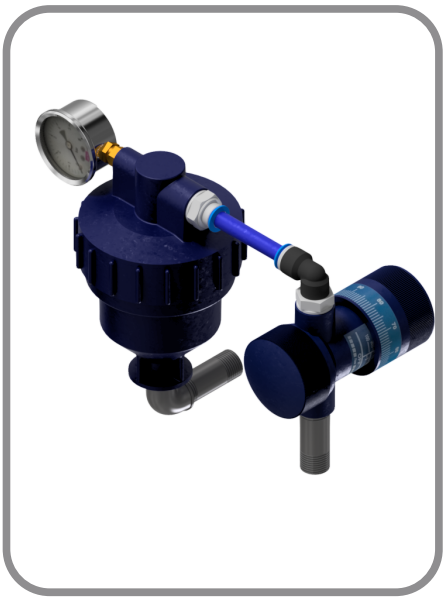
AIR-TEC SYSTEM

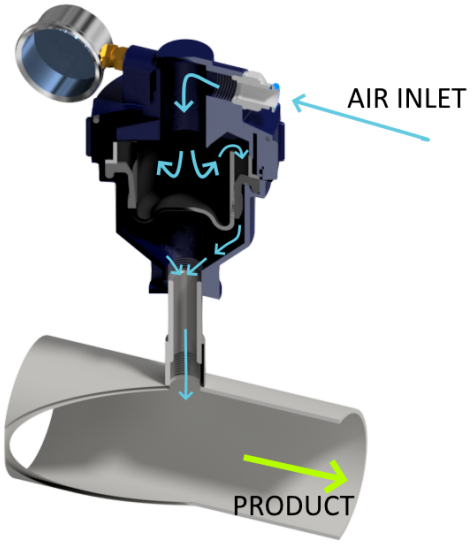
BOOSTER

BOOSTER AT02
BOOSTER MECATRONIC
BOOSTER MECATRONIC FOOD-GRADE CERTIFIED



ENG

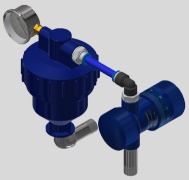
BOOSTER FOR PNEUMATIC CONVEYING



The booster is a device designed to convey bulk materials evenly through a dense-phase pneumatic conveying line.

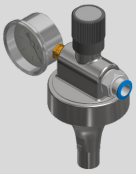
Boosters can also be used as an auxiliary on dilute-phase pneumatic conveying lines.

AVAILABLE VERSIONS



BOOSTER AT02

CONSTRUCTION MATERIAL: POLYAMIDE



BOOSTER MECATRONIC PATENTED

CONSTRUCTION MATERIAL: ALUMINIUM ALLOY FOR HEAVY-DUTY APPLICATIONS

BOOSTER MECATRONIC FOOD-GRADE CERTIFIED

CONSTRUCTION MATERIAL: STAINLESS STEEL, POLYAMIDE

✓ **HIGH LEVEL OF EFFICIENCY**

✓ **RREDUCED AIR CONSUMPTION**

✓ **EASY TO INSTALL**

The decision to use boosters depends on several factors, including:

- the length of the line;
- the fragility or abrasiveness of the product to be conveyed;
- the flow rates required.

The devices are installed on the material line and are fed by a parallel air line.

They offer the possibility of regulating both the amount of air required and the conveying flow rate.

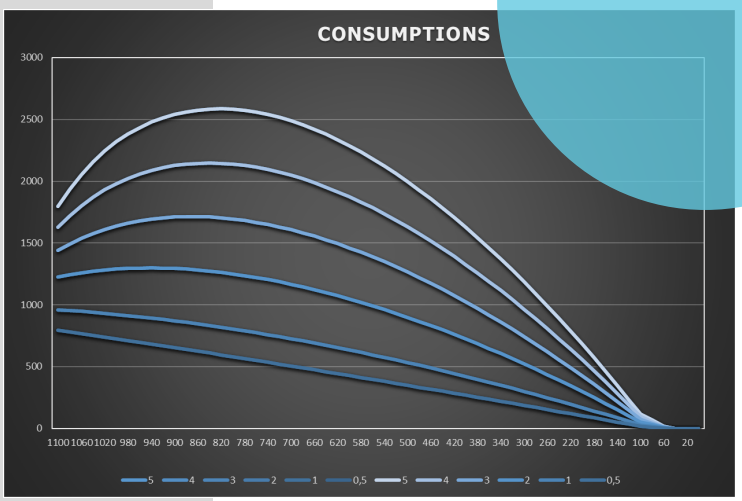
Where there are routes with multiple destinations, the installation of an electro-pneumatic valve before each arrival point allows for the passage of air only to a destination that is ready.

OPERATION AND INSTALLATION

AIR CONSUMPTION

The boosters can operate at up to a pressure of 6 bar. The micrometric flow regulator allows them to supply a proportionate amount of air along the entire line.

In dense-phase conveying, the booster line operates at the same conveying pressure as the propulsion unit and is fed from the pneumatic cabinet.



VERTICAL OR HORIZONTAL LINE INSTALLATION

Booster kits can be supplied for installation on vertical or horizontal pipe sections.

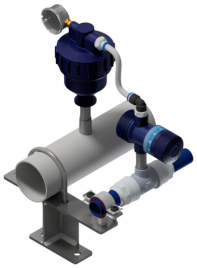
OPERATION

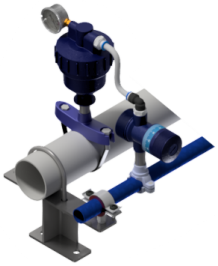
Air is fed into the booster through a supply manifold.
When the air pressure in the conveying line is lower than the air pressure in the manifold, the air will flow through the booster unit into the conveying line.

If the pressure inside the conveying line is higher, the check valve in the booster closes to prevent air from flowing in the conveying line.

The regulator's purpose is to regulate the air in the conveying line.

INSTALLATION WITH SLEEVE OR BAND





For new installations it is recommended to use the type with a welded sleeve.
For installation on existing pipelines, specific easily assembled collars can be used.

APPLICATIONS

SCAN ME

TO DISCOVER PNEUMATIC CONVEYING TECHNOLOGIES

TOTAL CLEANING PNEUMATIC CONVEYING

Total cleaning dense-phase pneumatic conveying takes place with the complete emptying of the line.

Over long distances, boosters maintain a constant speed and preserve the material's integrity.

FULL PIPELINE PNEUMATIC CONVEYING

Full pipeline dense-phase pneumatic conveying systems are ideal for fragile and abrasive materials, as they guarantee a low product speed in the pipeline and at the destination.

The use of boosters allows the material to flow evenly through the pipeline even over long distances of more than 500 m.

The conveying line always remains full.