

## Air conveyors

### PET bottlers transport In blowing and filling lines.

#### Application:

- beverages and non alcoholic drinks;
- milk industry;
- alcoholic drinks.

#### Characteristic features:

- Conveyor's construction is made of 3mm thick acid-resistant steel, what assures its stiffness and stability;
- Materials with certificates for food industry;
- World rank materials adjusted to the highest standards;
- Smooth regulation of gauge's width and height of bands on which products are moving. It enables to transport bottles of wide range of diameter. The maximum width of product on one-lane conveyor is 102mm. It also allows convey bottles with wide neck, "big sip" type;
- Supports for height regulation of conveyors;
- Project and execution in compliance with European quality and safety norms.

#### Scope of supply:

#### ABFS System ( Automatic Bottles Flow System)

controls air gust power from the fan. The throttle which controls air gust power is closed during standard work of air conveyors. If the bottles are full on the filling machine or when the machine is damaged and there is next start, "the wall" of bottles appears in front of the machine. After 3 sec. of stop, the sensors placed in each of the fan activate the work of servo-motor of ABSF system. It causes the change of throttle's position and also bigger air gust from the fan and start of bottles' move on the conveyor.



Types of ABFS system used by Dimark:

- a) controlling of fan's work by rollers,
- b) with pneumatic servo-motor
- c) hand controlled

**Radial Fans** (2,2 kW) used in conveyors are made from steel metal. Additionally every fan is equipped in a **cascade filter** made from polyester fibers, which ensure efficiency of dust filtering at 93%.





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**Cable channels (mesh or complete)** can be placed on conveyors or on a special holder under conveyors, depending on Customer's needs.

**The bottle's steering** is necessary to control bottle streams which are moving on pneumatic conveyors. It is used to match two lines of air conveyors into one line or to divide one line out into two lines of air conveyors. It changes the track of moving bottles by the mobile element which has tongue shape. This mobile element can rotate around the axis. Thanks to this the switch-over is made between the ingoing slides and common outgoing of steering. The control of element which is switching the truck of bottle stream on the pneumatic conveyors is made by the pneumatic servo-motor with proper bound. It can work only in two extreme positions. To the outgoing of the steering the bottle streams can be directed changeable from ingoing track no 1 or 2.



Using **ejection device** ensures air gust if a machine in a line is damaged or/ and air conveyors are over flown with bottles.

***We offer complex service.***

***Designing, constructing, assembling, starting- up and servicing all our Equipments.***

***We remain at your disposal any time.***