

AccuVEYOR[®] AVL-SERIES

Dynamic accumulator for primary packing

- No product contact!
- ONE-belt system
- Floor level access
- Compact
- No control system required
- Patented design



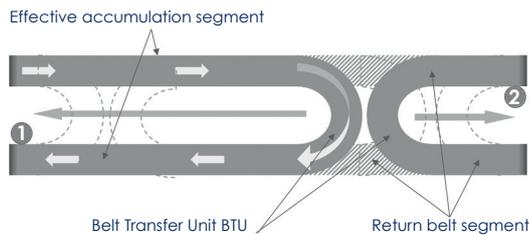
ACCUVEYOR® AVL-SERIES

PPI

The AccuVeyor AVL is a fully dynamic accumulator suited for various applications. The dynamic effect allows for the absorption and release of items between processes without any interruption - Featuring first-in-first-out (FiFo) accumulation without the need to touch or to put pressure on the products. The AVL is simple, reliable and the best of all, it does not require any control systems.

The AccuVeyor AVL is based around ONE flexible conveyor belt. This belt runs through a conveyor frame.

The AVL consists of two U-shaped segments on the top and two belt segments underneath. One U-shape segment is the effective accumulator and conveys the product from the entrance to the exit. The second one is used to store any unused conveyor belt. When accumulating, the U-shaped segment moves along the track and with it increases or reduces the accumulation length, just like a trombone.



The AmbaFlex belt with roller guides enables the AVL to work smoothly and greatly extend its durability. The design of the AVL is based on a licensed patent and exclusively available for AmbaFlex customers.

Integration

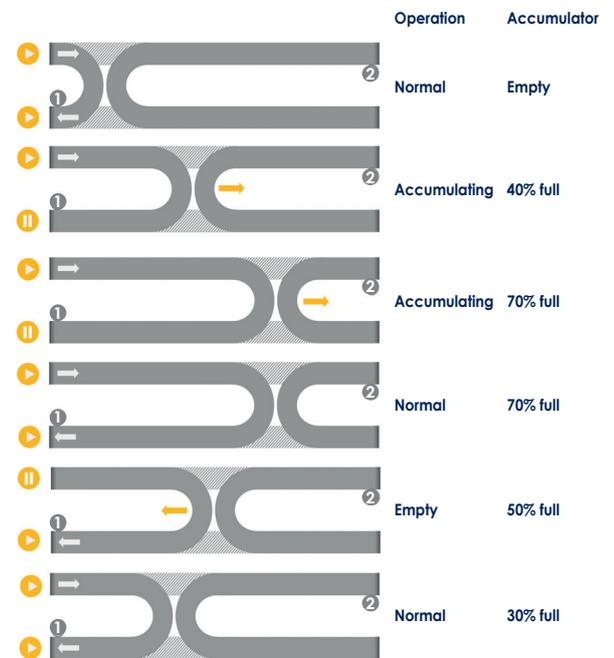
The AVL is fitted with two drives (M1 & M2). Both drives run the same belt, which is the core principle of the system. When both drives run with a similar speed the belt transfer unit (BTU) remains in place and the AVL will function as a U-turn conveyor.

More info

- For Spiral Elevators: www.spiralveyor.com
- For Accumulation Systems: www.accuveyor.com
- For Modular Conveyors: www.ambaveyor.com

When the M2 drive runs faster than the M1 drive there is more input than output and the accumulator will fill up. The BTU will move away from the feeding conveyor. When M1 runs faster than M2, there is more output than input, and the accumulator empty itself. The BTU moves back to the discharge conveyor.

The AVL is fitted with end switches that indicate a full or empty stage and with optional encoders or extra position sensors to determine the filling level.



AccuVeyor AVL Series		
Platform/Type	Belt width	Frame width
AVL 140	140 mm / 5.5"	±1080 mm / 3'-7"
AVL 400	400 mm / 16"	±1740 mm / 5'-9"
AVL 600	600 mm / 24"	±2240 mm / 7'-4"

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SCIENCE IN SPIRALS

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