



General presentation

The infrastructure is composed of a belt extractor with :

- Feed platework fitted with a product layer adjustment door. Skirts make the belt airtight. Side and horizontal tapers are provided on the platework to eliminate any jamming on the belt.
- A set of guide edges fitted with flexible skirts.
- A frame with spacers and cover connection hangers.
- A smooth endless vulcanised belt, with characteristics determined as a function of the materials to be extracted and conveyed. The belt is quickly replaced through the side of the equipment opposite the motor.
- A stainless steel sliding sole under the feed.
- A belt guide roller device mounted on the belt return strand.
- An integrated weighing device fitted with a weighing roller supported on two strain gauge cells; on each side, sliding bars made of stainless steel with adjustable height (alignment) defining the weighing length.
- A calibration device.
- A convex control drum with shaft mounted on bearings.
- A convex return drum with free wheel hubs.
- A screw type belt tensioning device.
- An external belt scraping device installed at the head of the feed regulator.
- An internal belt scraping device placed on the belt return strand at the exit from the return drum.
- A variable speed geared motor unit. This unit is installed at the end of the control shaft.
- A speed sensor on the second end of the motor shaft.
- A integrated cover with inspection door.
- Two emergency stop buttons.
- Made from painted or hot galvanised steel or 304L / 316L stainless steel.

Applications

- All feed regulation applications for granular products / bulk powder.

Precision

- Possible precision : ± 0.25 to 1%.

Range

Standard feed regulation pump :

Type	Belt width	c/c distance	Flow*
MP/MD 3	300 mm	800 mm	1 to 15 m ³ /h
MP/MD 4	400 mm	800 mm	2 to 25 m ³ /h
MP/MD 5	500 mm	800 mm	3 to 35 m ³ /h
MP/MD 6	650 mm	800 mm	5 to 50 m ³ /h

* Flows are given in m³/h and can be multiplied by the density to obtain values in t/h. The belt velocity shall be < 0.5 m/s.

Options

- Rubber coating for control drum.
- Belt offset detector.
- Belt sliding detector.
- Material detection feeler.
- Isolation register.
- Local box.



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Your weighing specialist

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