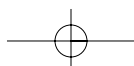
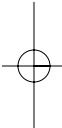
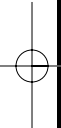
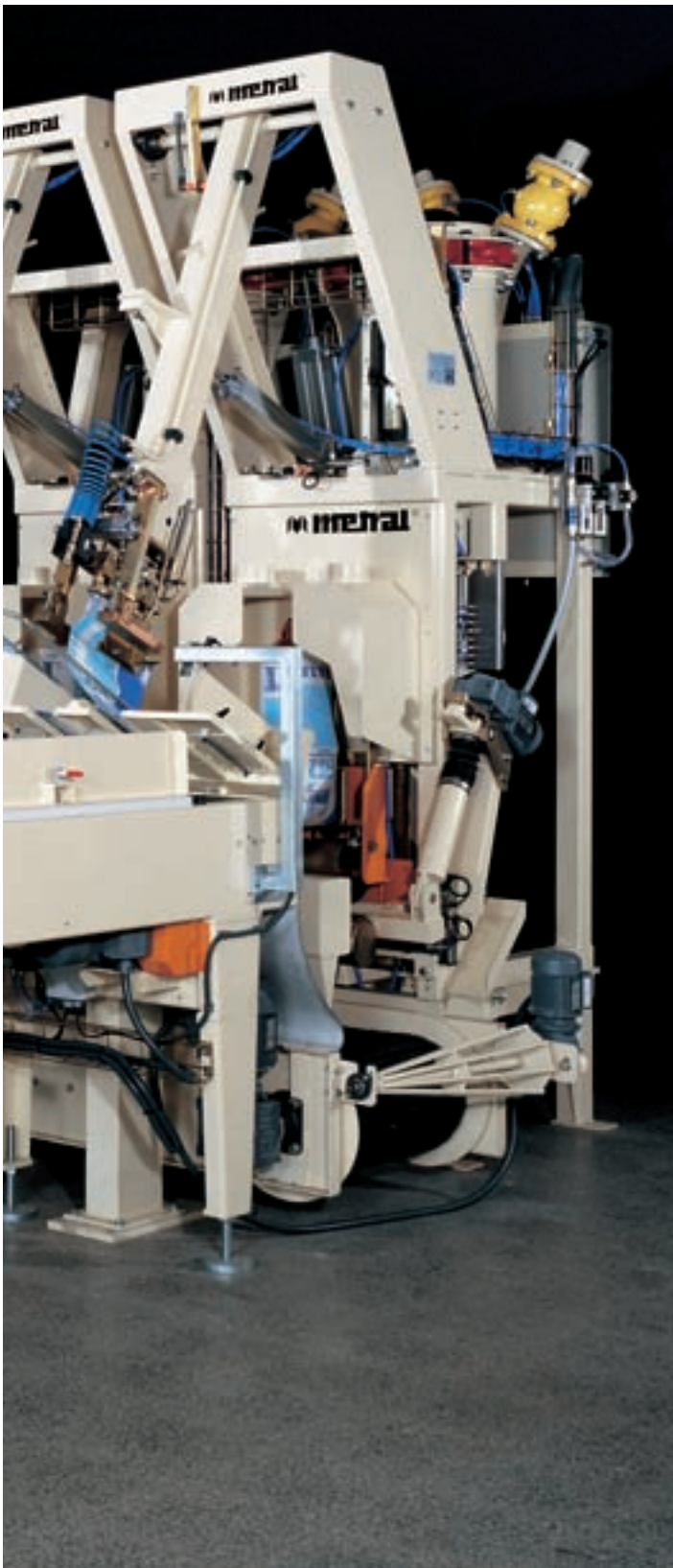


Air PAC





CKERS



The fluidisation process allows the filling of a wide range of fine-grain products, powder or a mixture of both in valve bags.

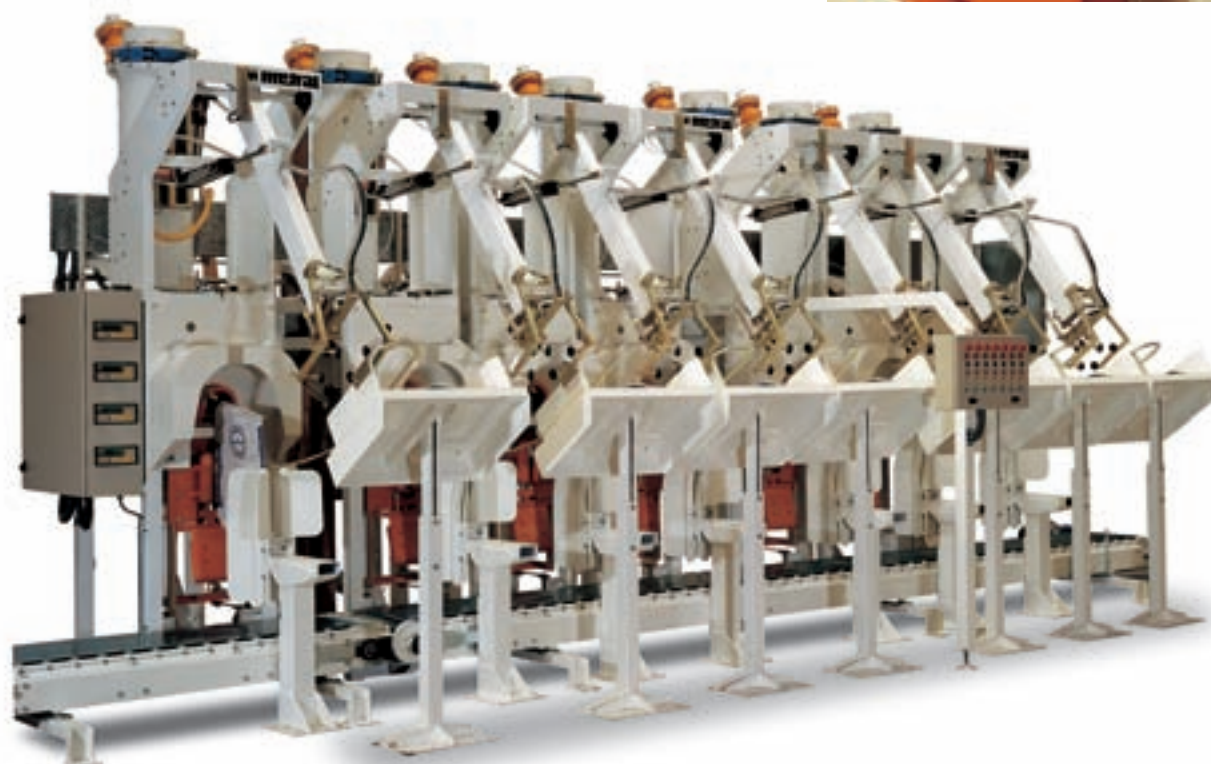
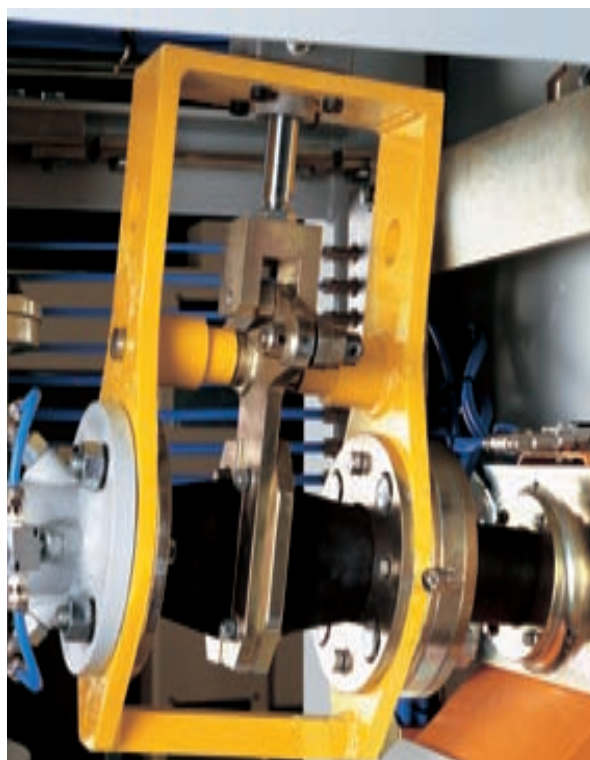
The modular design enables us to comply with our customers' requirements, which also provides the opportunity to select the number of nozzles according to the required capacity.

By combining a low-pressure feed system that fluidises the lower section of the chamber with a second upper inlet will accelerate the product output, thus increasing installation performance.

This range of bagging equipment comes complete with a maintenance-free, electronic weighing machine that automatically controls the cycle and includes the possibility of data transmission over a computer network. It is also equipped with a control panel on the head of the bag feeders providing simple operator access, together with clear data display.

Air packers *Characteristics*

- Air packers are used for low-fluidity products with either a fine or coarse structure and also for products that have a tendency to become agglomerated.
- The type of construction employed facilitates the discharge of material because of the use of a vertical chamber and the inclined fluidised base makes for easy output flow as well as final cleaning.
- The equipment does not include any rotating parts and therefore, there is virtually no wear and tear.
- The products to be bagged are not crushed, separated, filtered or segregated.
- Bags with interior or exterior valves can be used.
- **Metral**® offers several different types of automatic bag placers with a swinging arm or a linear placer. You can also choose from between static or dynamic empty bag magazines with multiple cells.
- The air packers use low pressure blowers that do not damage the material in any way and also guarantee that the product is correctly fed into the bag.
- The packers allow the height of the saddle to be adjusted in order to accommodate the various bag sizes.
- The stainless steel nozzles are of the quick-fastening type and are also interchangeable so that a range of valve sizes can be adapted for use.
- They are equipped with different types of saddles: rotating or vertical ejection.

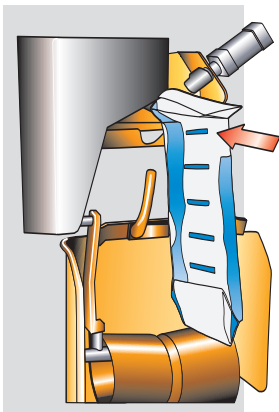


Characteristics **Air packers**

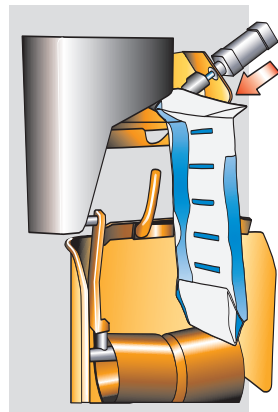


- An ultrasonic sealing system can be optionally installed and with this system, the bags emerge clean and without any product loss during transport. They are easily arranged on the pallet with a good quality layout finish, together with optimum pallet appearance. This type of sealing operation guarantees that the valve is watertight.
- An optional inflatable sleeve can be installed on the nozzle in order to prevent the product from escaping through the bag valve during the filling operation, thus preventing seepage and dirty bags. This system option will drastically reduce the amount of dust released into the environment.
- Packers can incorporate more air diffusers for poor flow rate products in order to guarantee a low-pressure output flow rate.

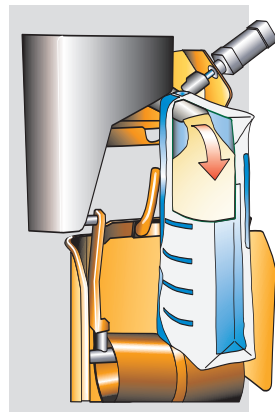
Bag support seating.



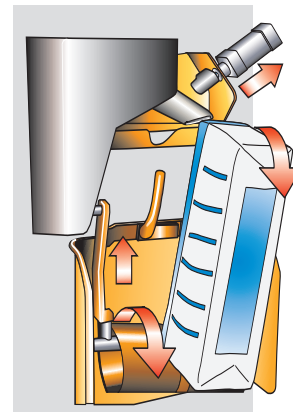
Bag positioning at the spout.



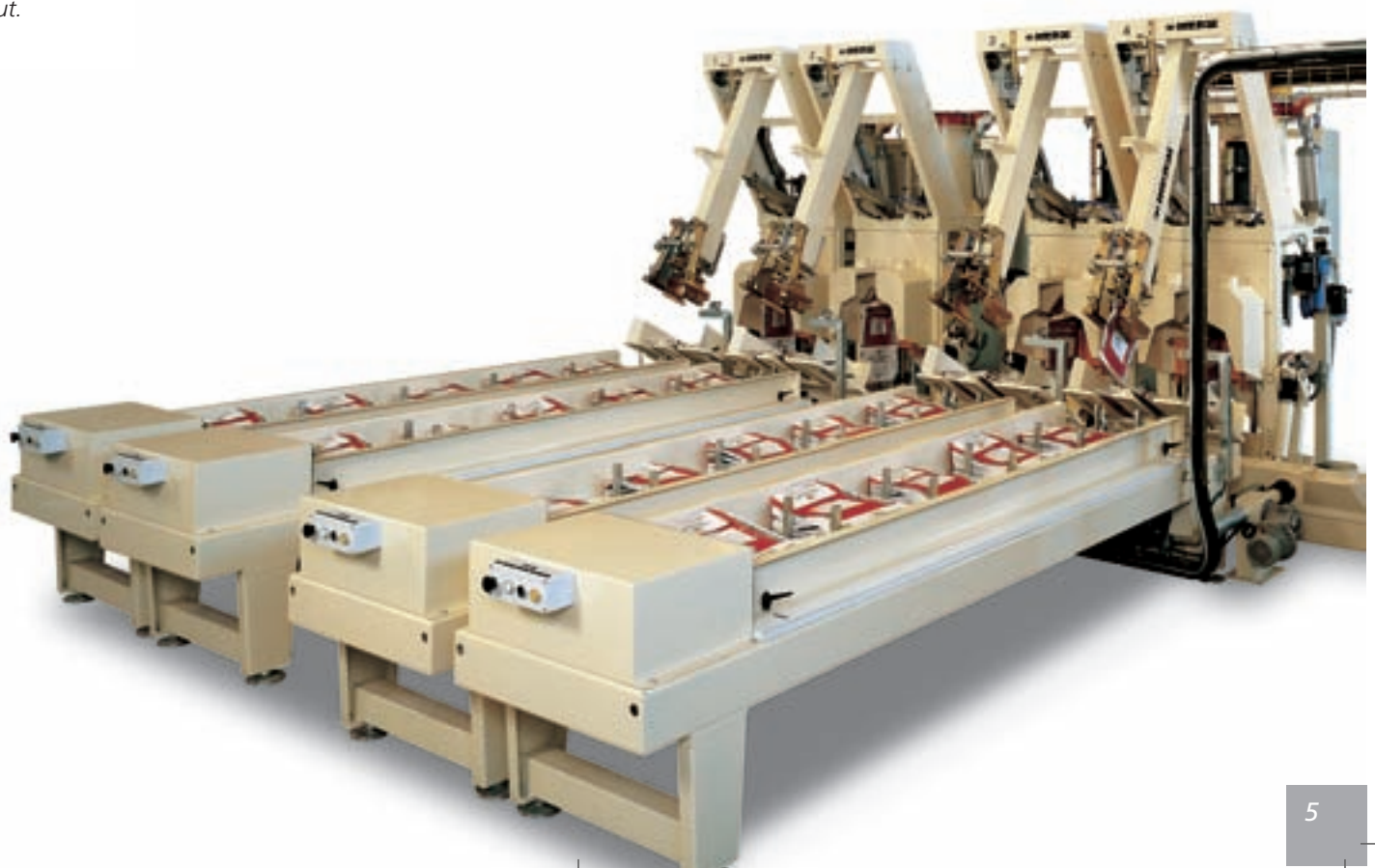
Bag fixing at the spout.



Filling process.



Bag expulsion.



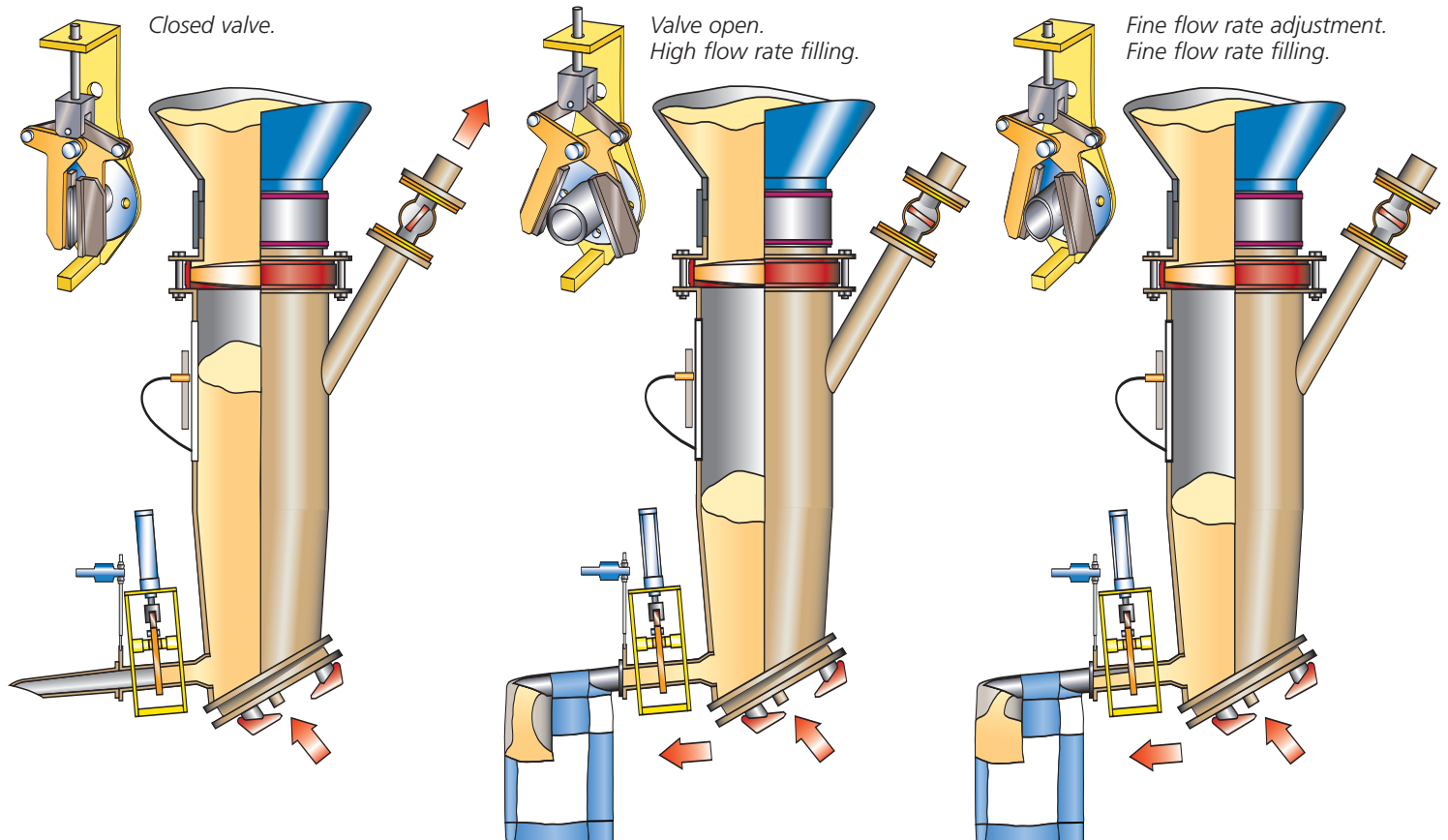
Air packers *Operation*

The machine is installed underneath a feed hopper equipped with level sensors. The product is fed into the fluidisation chamber through a large diameter butterfly valve, which will remain open until the necessary material level within the chamber has been reached.

Once the intake valve closes, the bag-filling process commences, which is accomplished by producing over-pressure in the chamber, together with the fluidisation of the product.

During the filling process, the equipment monitors the flow rate and automatically corrects the final weight when necessary.

Once the bag filling operation has been completed, it is released so that it can be removed from the nozzle. This operation can be carried out either automatically or manually.





Air packers *Options*

Additional fluidisation system at the filling pipe for difficult-to-handle products.

Filler nozzle with inflatable sleeve.

Air blowing system for cleaning the nozzle.

Surface treatment using sand-blasting and epoxy paint, etc.

Flame-proof construction.

Protective cover for reducing noise from blower.

Parts that come into contact with the product are made from:

- Stainless steel.
- Wear-resistant steel.

The fluidisation chamber is made from:

- Rubber for products that tend to bind together.
- Stainless steel with a mirror-like finish.

Automatic adjustment of:

- Bag saddle height.
- Rotating stopper.
- Front stopper on the conveyor.

Automatic bag placer:

- Using a swinging arm.
- Linear.

Empty bags magazine:

- Static.
- Dynamic.



Close-up of tilting-arm bag applicator.



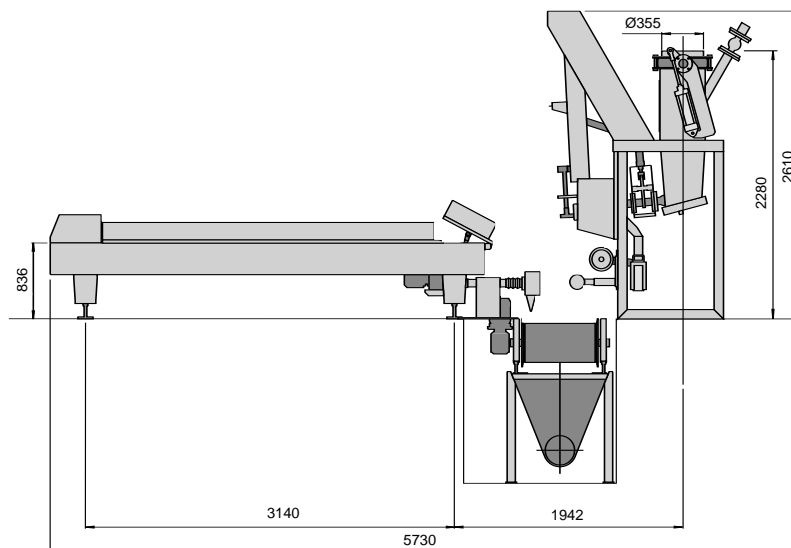
Automatic bag drop limit adjustment system.



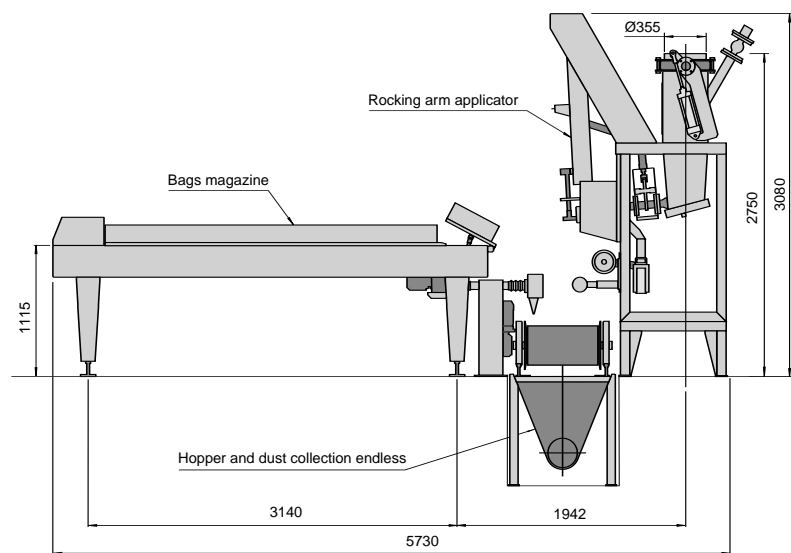
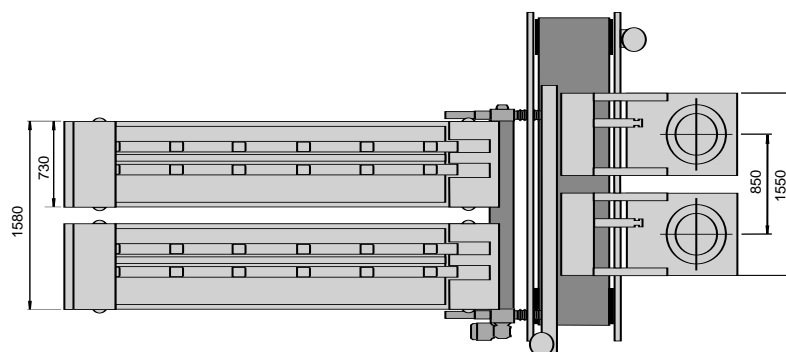
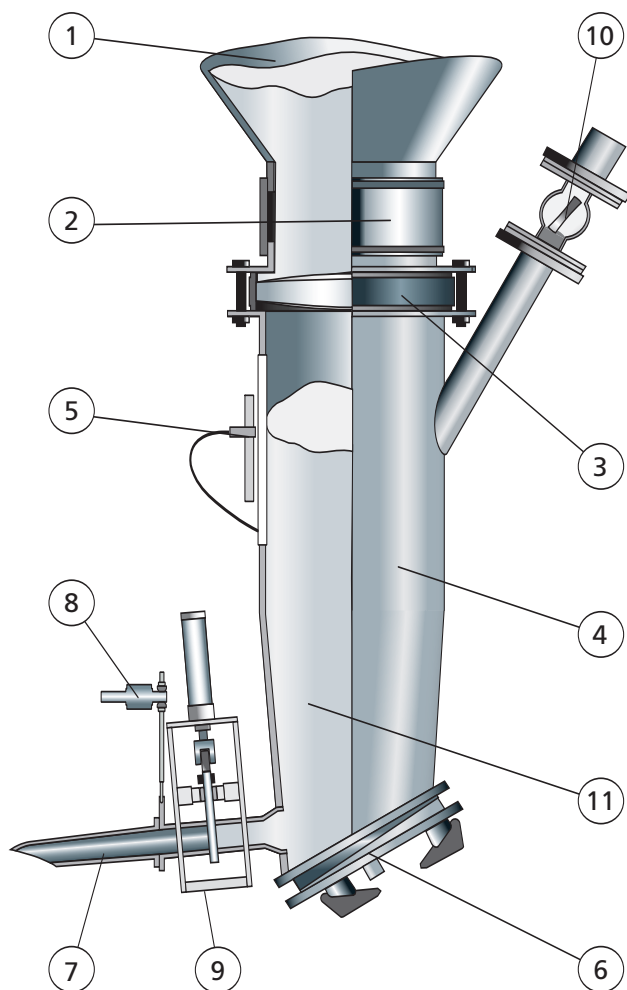
Linear automatic bag applicator.

Layout dimensions | Air packers

- 1 - Product accumulation hopper
- 2 - Sleeve
- 3 - Butterfly valve
- 4 - Packing machine body
- 5 - Level switch
- 6 - Lower cover
- 7 - Spout
- 8 - Loading cell
- 9 - Dosing valve
- 10 - Decompression valve
- 11 - Product



General measurements made with belt conveyor below ground level



General measurements made with belt conveyor above ground level