

Series LA 20 (one material component)

for automatic transport of free flowing materials
with bulk density of 0,4... 0,8 kg/Litre and max. Temp. of 100°C



LA 20 - single phase motor

LA 20 - three phase motor

Standard features:

- ✓ stainless steel construction
- ✓ automatic filter cleaning
- ✓ microprocessor controlled conveying functions
- ✓ control box 24VDC and power box separate housings

Options:

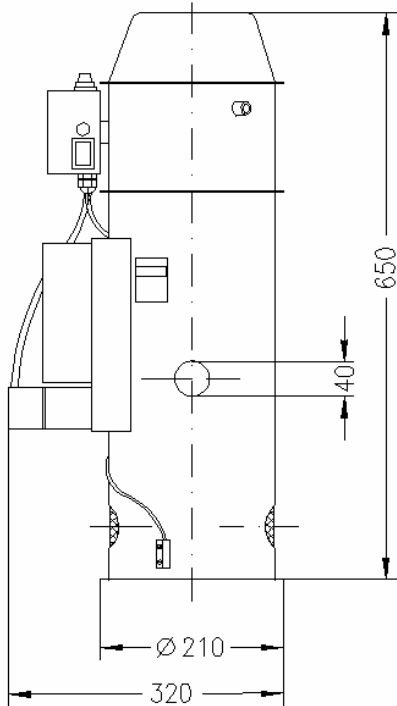
- clean out valve for product line
- alarm signal contact, alarm lamp

Series LA 20

| Model | Art. No. | Throughput * | Distance * horizontal/ vertical | Vacuum generator | | Filter cleaning by | Supply Voltage | Weight |
|----------|----------|--------------|---------------------------------------|-----------------------|------------------------|--------------------|----------------|--------|
| | | | | integrated turbine | separate 3ph-blower | | | |
| LA 20 | 1006.08 | 50 kg/h | 15 m / 2 m | 1100 W | | Compressed Air | 230V 50Hz | 10 kg |
| LA 20-11 | 1012.08 | 100 kg/h | 20 m / 4 m | | 1,1 kW | | | |
| LA 20-15 | 1013.08 | 100 kg/h | 30 m / 4 m | | 1,5 kW | Implosion | 400V 50Hz | 36 kg |
| LA 20-22 | 1014.08 | 150 kg/h | 30 m / 5 m | | 2,2 kW | | | |
| LA 20-30 | 1015.08 | 200 kg/h | 50 m / 5 m | | 3,0 kW | | | |

*Advice: the maximum values are depending on the individual products and may not all be reached at the same time.

Hopper loader LA 20 with single phase turbine
for transportation of: free flowing granulated resins + regrinds



Functions: The turbine creates an under pressure in the separator, the material outlet flap gets closed and in the material feed line a strong air stream is created. From the material pick up point a mixture of air and resin flows to the loader where the resin is separated by a filter from the incoming air. The product settles in the loader whilst the air is blown back to the atmosphere.

After the adjusted conveying time is run out the turbine motor is switched off. Atmospheric air flows in the separator through the turbine so that the outlet flap can be opened by the gravity of the resin. The material filling can flow out now.

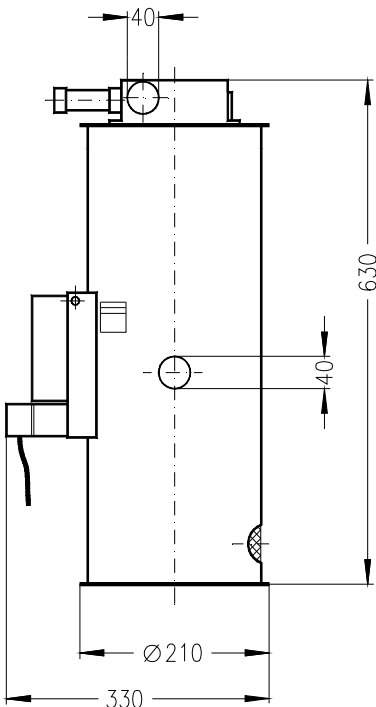
A magnet fixed at the outlet flap operates a magnet switch in such a way that the contact of the magnet switch is closed when the outlet flap can fall back again after the resin was released. This starts a new conveying cycle that begins with compressed air pulses for the filter cleaning.

The loader is conveying material until the containment under the loader is filled up and the outlet flap remains in an open position hold by the resin still remaining in the separator.

- Reduced size LA 20-300 with all functions of LA 20
- with a total height of only 520mm is available for applications where height is limited.
 (for virgin resins only)

Loaders LA 20 with separate 3phase blower motors
for transportation of: free flowing granulated resins + regrind

- Loaders with 3phase blowers 2,2kW and up can also be used for free flowing powders



Functions: Each conveying cycle begins with a filter cleaning. The suction valve opens and the implosion inlet and material valve is closed. The outlet flap is sucked against the flap sealing. The loader body is partly evacuated to the max. under pressure the blower can built up. Now the suction valve is released and the implosion inlet opened. Ambient air now flows in as strong air stream through the filter and cleans it from dust and particles. No dust will come out to the environment. In stand by position the material valve and the suction valve remain closed and the implosion inlet is open. During conveying the suction valve and the material valve is open and the implosion inlet is closed. By the air stream created by the blower motor a mixture of air and resin flows from the pick up point into the separator. The granulate settles in the separator and the conveying air gets sucked through the filter and is given back to the atmosphere at the air outlet opening of the blower motor. When the set conveying time has run out the blower motor is switched off, the suction valve and the product valve is gets closed and the implosion inlet is opened. The outlet flap now gets opened and the product in the separator can flow out. A magnet at the outlet flap operates a magnet switch and starts a new conveying cycle, until the containment under the loader is filled up and the outlet flap remains in an open stand-by position.