



ATEX-Certified Loading Belows

Blower

Polimak manufactures roots type positive displacement blowers for industrial applications such as pneumatic conveying of bulk materials (food, cement, chemical material etc.) waste water treatment and fish farming processes. Roots type blowers can provide high volumes of air up to 1200 mBar of pressure and 500 mBar of vacuum depending on operating conditions.

Root Blowers are used in the following applications

- Pneumatik conveying (food, cement, mining, plastic granules, fly-ash)
- Waste water treatment
- Aquaculture applications (water aeration in fish farms)
- Asphalt machines
- Air knives
- Drying applications
- Pulp and paper industry
- Milling
- ULV applications
- Vacuum applications

Automatic Blower Control System

- System is used to control the air supplied from the blower units.
- Air flow rate and pressure in pipelines are continuously measured by sensors.
- Required air flow rate can be adjusted by the operator from the control panel.
- Air flow rate can be adjusted to fulfill the demands of process at any time
- The control system can be adjusted to supply constant air flow rate or constant air pressure to the process. The rest of the job is done by the control system automatically.
- If the process limits are exceeded, the system automatically changes to safe working mode and informs the user by alarm.
- The air flow control is handled continuously, which leads to supplement of demand accurately. This also leads to decrease of energy consumption by 20-40%. (depends on process conditions)

