

INTELLIGENT CONTROLLER FOR CARDING



Advantages of our system:

- Digital pressure monitoring system for waste collection suction pressure.
- Energy saving option to control cylinder motor power or total machine power during idle stop of delivery.
- Cylinder motor VFD control through set target speeds
- Safety stop limits can be provided for cylinder low speed.

PRESSURE MONITORING SYSTEM

BEFORE



AFTER



SET PRESSURE: 500 Pa
TOLERANCE PRESSURE: 100 Pa
TIME DELAY: 30 Sec

Features:-

- Required suction pressure can be defined in Pa.
- Safety limit suction pressure also can be set through our controller
- In our controller there are two pressure transducer options available. We can connect if there's an separate connection available for Licker-in (or) C-Cleaner

ENERGY SAVING CONTROL SYSTEM



ENERGY SAVING: INACTIVE/ACTIVE
TIME DELAY FOR DELIVERY IDLE
STOP: 30 Mins

Features:-

- When there's an idle time of delivery motor our controller will stop the cylinder motor (or) total machine to save the power
- Meantime through our controller waste collection suction pipes will get shut off through the flaps. “This will give additional power savings in waste collection filters”
- In our shut off flap there will be an actual status sensor. Once machine starts without proper acknowledge of flap machine can't start.

VFD OPTION FOR CYLINDER MOTOR DRIVE

BEFORE



AFTER



TARGET SPEED: 350 RPM
ACTUAL SPEED: 351 RPM
SAFETY STOP LIMIT: 5 RPM
TIME DELAY: 30 Sec

Features:-

- Required cylinder RPM can be set through our controller
- Safety limit in RPM also can be set through our controller. “This will help to avoid cylinder wire and mechanical components damages when there’s an small loading also”
- Machines which were runs through old clutch pulley we can convert with flat pulley along with VFD.

THANK YOU