

Operation

To Start Loading

1 Make sure there is material at the source, and that all air lines are securely connected.

2 Make sure the CAML-M is plugged into a power source.

3 Turn on compressed air and adjust pressure. Lift the air regulator knob and turn to set pressure at 68 PSI or higher. Push knob down to lock.

4 Position the demand sensor. Position the sensor at the lowest level of material you want to maintain in the viewing chamber before another load cycle begins. Make sure the sensor rests against the sight glass.

5 Press the ON switch to turn on the loader.

- The ON/OFF switch lights up.
- The compressed air solenoid opens; air flows to the material transfer device.
- Material flows through the inlet into the viewing chamber; air exhausts through the filter.

To Adjust Material Flow

1 Readjust air pressure.

- To increase material flow, increase air pressure.
- To decrease material flow, decrease air pressure. You may be able to conserve air by decreasing pressure to as low as 30 PSI.

To Stop Loading

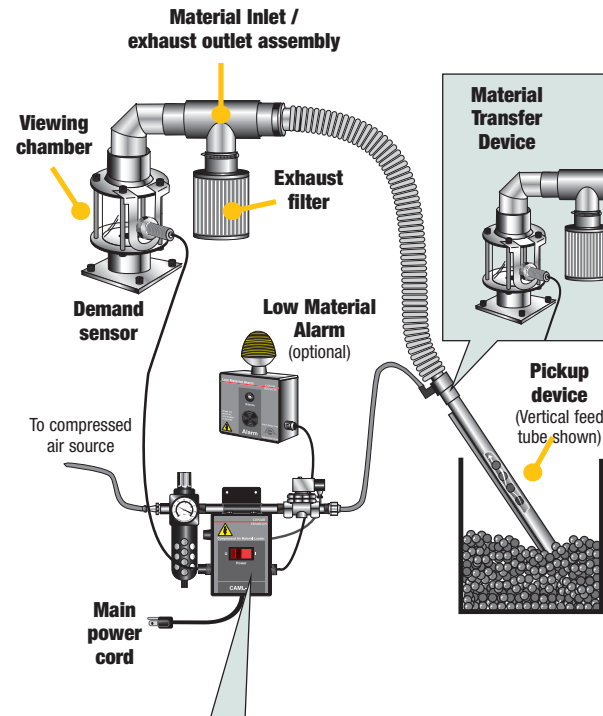
1 Press the OFF switch.



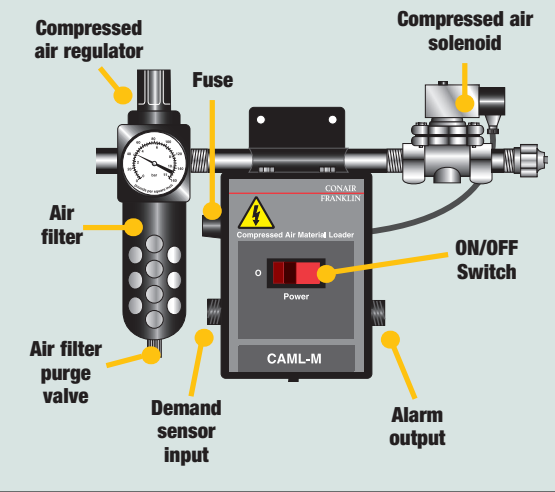
CAUTION: Wear eye protection

Under certain conditions, overheated and decomposing resin in a processing machine can create pressure that could rupture the viewing chamber sight glass

Features



CAML-M Control



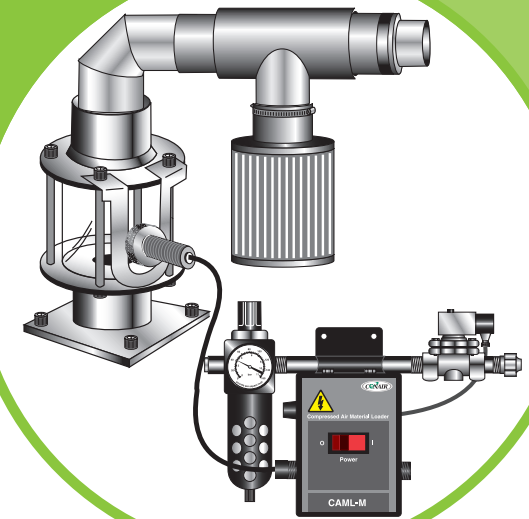
Operation / Maintenance / Troubleshooting

Quick Card

QCC003-1209

CAML-M

Micro Compressed Air Loader



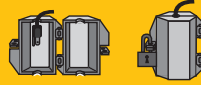
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Maintenance



CAUTION: Disconnect power

Always disconnect the loader from the main power source and lock out before cleaning or servicing.



CAUTION: Disconnect air

Always disconnect the loader from the compressed air source before cleaning or servicing.

Clean Exhaust Filter and Inlet Screen Regularly

1 Turn off the loader. Disconnect and lock out the power source.

2 Turn off the compressed air.

3 Loosen the material inlet screw and pull the screen out.

4 Clean the screen. Use a vacuum cleaner or wipe clean. Do not use solvents.

5 Loosen the exhaust filter clamp and remove the filter.

6 Clean the filter. Use a vacuum cleaner to remove dust or fines.

IMPORTANT: Discard and replace any filter that is hopelessly clogged with dust, is torn or displays excessive wear.

7 Reassemble to resume operating.

Make sure the screen fits securely in the inlet. Tighten the inlet screw and filter clamp.

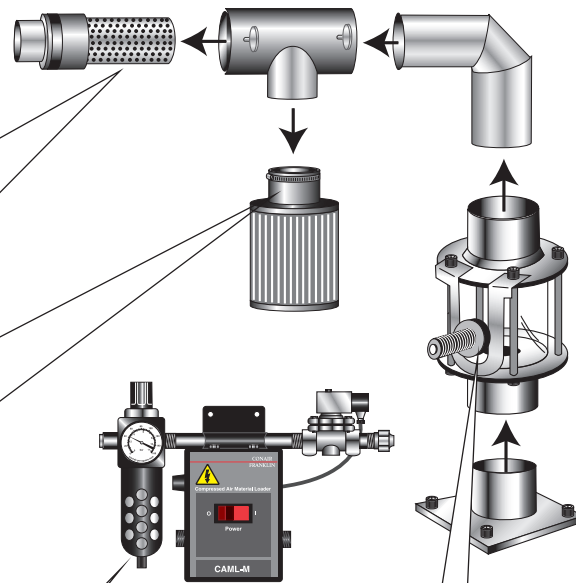
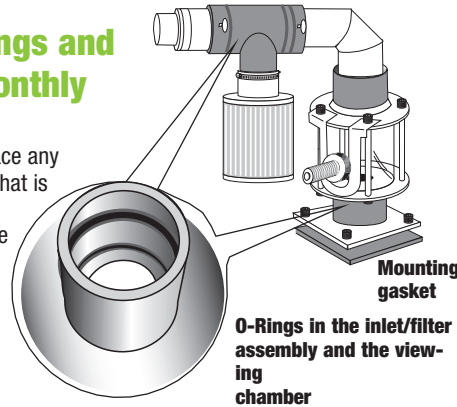


Drain Compressed Air Filter Regularly

Purge water from the air filter by turning the button on the bottom of the filter chamber.

Check O-rings and Gaskets Monthly

Discard and replace any gasket or o-ring that is torn, cracked or displays excessive wear.



Adjusting Demand Sensitivity

Less sensitive

You may need to readjust the demand sensor when you change materials, or if you regularly load dusty materials.

The LED light on the sensor should be OFF when material is present.

More sensitive

Troubleshooting

Loader will not cycle

Are all electrical connections correct?

- CAML-M control is plugged into a power source. If the control is plugged in but not receiving power, check the control fuse. Replace fuse, if necessary.
- Sensor connected to CAML-M control.

Is the demand sensor adjusted correctly?

Decrease sensitivity of the demand sensor.

No Material Flow

Do you have enough material at the source?

Fill the bin or storage hopper.

Is material flowing to the pickup device?

Check for obstructions at the pickup device inlet. Make sure material surrounds the inlet. If material bridges the inlet or hangs up on the sides of the bin, reposition the pickup device or clear obstructions.

Are all compressed air and hose connections correct?

- Air regulator is connected to compressed air source.
- Flexible hose is clamped securely to the CAML-M inlet and to the Material Transfer Device.
- Material Transfer Device is connected to compressed air source and installed with the - toward the pickup device and the + toward the flexible conveying hose.

Has the Material Transfer Device lost compressed air?

- Check compressed air pressure. Adjust if necessary.
- Check the air solenoid. Replace if necessary.

Poor material conveying rate

Is the air pressure too low?

Check the air pressure. Increase pressure, if necessary.

Are the filters dirty?

- Clean or replace the exhaust filter. Clean the inlet assembly screen.
- Drain water from the compressed air filter.

Is there a compressed air leak?

- Check condition of hoses and air lines. Verify they are securely fastened. Replace, if worn or damaged.
- Check condition of gaskets and O-rings.

Material over filling

Is the demand sensor adjusted correctly?

- Lower the sensor level at the viewing chamber.
- Increase sensitivity of the demand sensor.