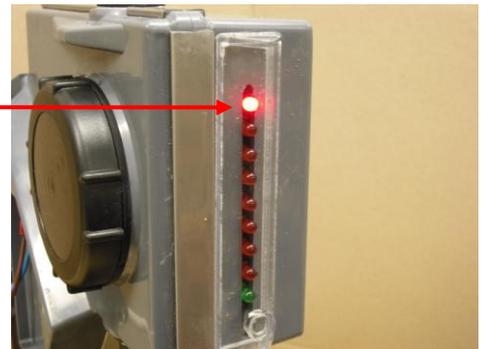




Automilker Operation

Start up Automilkers

1. To wake up the Automilkers, the switch on the side of the Bail Unit Controller (BUC), switch "OFF" then to the "RUN" position.
Or switch the remote switch off then to the run position if one is fitted.
2. This will wake up the Automilkers in the bail area. The top Red LED will be on after a series of check displays.
3. The compressed air will close the Diaphragms and allows the vacuum level to rise.
4. All the ram cords in the will pull up as the vacuum rises. The Automilkers are ready for milking.



Bail Unit Controller Panel Display

5. The three indicator lights:
6. The left hand power light should be ON at all times even when the BUC run switch is off, (this indicates the mains power to the BUC is on).
7. The left hand pressure gauge indicates the air pressure in the compressor tank (40 – 90 psi plus).
8. The middle light indicates that the power reset has been activated and power is on.
9. The right hand light indicates the compressed air valve is on and supplies air to the Automilkers. The air gauge should be at 30-35 psi when the light is on.





10. The pressure regulator

This regulates the air pressure sent to the Automilkers and should be 32 psi and is shown on the right hand gauge. *The Automilkers will not work below a pressure of 22 psi.*

11. The air flow ball gauge.

This gauge indicates the air going to the Automilkers. Ideally the ball should be in the green area (less than 1litre/min). If the ball is sitting more than this, it is indicating an air leak in the system or the Automilkers and the compressor will be running longer and more often.



Milking Automatic Mode

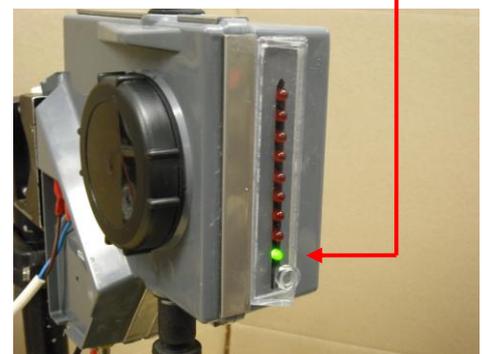
12. Press the start bulb once (works when the pressure is release).

13. Green LED on, vacuum to cups on

14. Put cups on the cow.

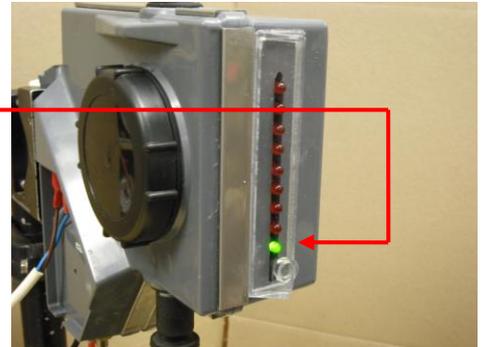
15. Cups will stay on for 2minutes 40 seconds or 4 minutes, (depending what the let down timer is set at on the data transmitter when programming the Automilkers) regardless whether the cow milks or not.

16. The bar graph will indicate the flow rate. When the cow is in full milking, 5 or more red LED's will show.

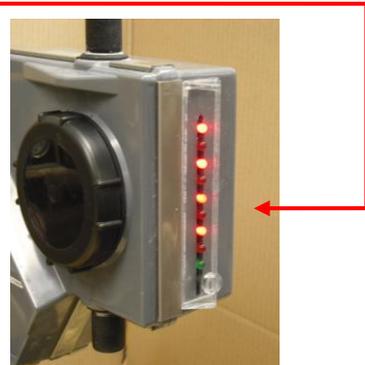




17. As the less milk flows then the red LED's will decrease till the last red LED goes out and after the count down timer ends, then the bottom green LED will go out. The vacuum is shut off to the claw and the cord is pulled up on the ram hanging the cups up. The top red LED will come on indicating stand by mode waiting for the start of the next milking cycle.

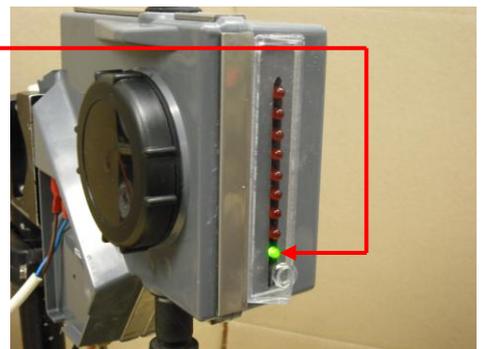


18. 4 alternate red LED's indicate a low milk alarm. The low milk alarm will show if less than 4 LED's are reached while milking or the cow is not producing any milk at end of the let down timer



Milking in Manual Mode

19. If the start bulb is pressed twice within 3 seconds, the green LED will flash indicating the manual mode.
20. The Automilker will stay in manual mode for 4 hours then switch to 'stand by mode' if not switched off manually.
21. To switch off the manual mode, press the start bulb once.
22. The manual mode can be used to:
- Milk manually when required.
 - Keep the cups on the Jetters for washing.
 - Keep vacuum at the cluster when milking machine test.
23. The Automilker will return back to stand by mode when BUC switch is turned off.





Cleaning Operation

After Milking Jetter Cleaning

1. Before placing the teat cups into the Jetter, press the start button twice to activate the manual mode.
2. The Diaphragm is open in that mode and the CIP is started when the Tap at the wash Tub is turned on.
3. If the jetter is installed close to the end of the vacuum cylinder then the CIP system can be operated without using the manual mode.
4. The Automilkers can be left in the Jettors in the red stand by mode. When you want the Jettors to start just turn the main switch on the Bail Unit Controller off. Without compressed air the diaphragms will open and let vacuum through to the wash tub.
5. The Automilker bar graph display can be used to test and calibrate the Jetter flow rate.
6. Place half a cup of salt in the wash tub with cold or warm water and circulate it through the Jettors.
7. The number of lights displayed on the bar graph will include the flow rate for each jetter. Blocked Jettors will be detected.

Automatic Cleaning Systems

8. With these systems, the farmer can leave the CIP system to operate over a ½ hour period stopping and starting the vacuum pump as required.
9. When the Bail Unit Controller is switched off via the remote switch, a built in delay of 30 minutes is activated. The purpose of this delay is to keep the Automilker in the manual mode while the vacuum pump is turned off and on by the CIP cleaning system.