

# Trouble Shooting Tips—Liquid Ring Pumps

**Seal water temperature:** Should be 15-20°C

**Check the water flow:**

Maximum difference between outlet water and inlet water temperature should be about 5°C. If the temperature rise is more than this the water flow is too low. To get correct water flow rate for your model of pump please contact mbar Ltd.

**Check vacuum using cavitation as a gauge:**

With the pump running, close the vacuum isolation valve in the vacuum line. The pump should cavitate (rattle severely), if it doesn't the pump is most likely not performing correctly and you may need to contact us.

This may sound obvious but **Operate inside pumps best operating range!**

2 stage pumps—best suited to dairy evaporators; *-50mbar(ABS) to 150mbar(ABS)*

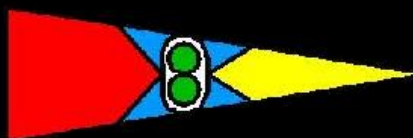
Single stage pumps with exhaust valves—dairy evaporators, milking sheds, vacuum conveying; *70mbar to 600mbar*

If you don't know the best operating range for your pump contact mbar Ltd.

Dairy Evaporators daily check:

Inlet vacuum pipe temperature—if pipe temperature is high (>60°C) this could be due to water carryover from process. (This temperature does slowly rise over the process run as the ambient temperature builds up in the process area.)

Check amount of water being discharged out the exhaust (contact mbar Ltd for the correct water flow rate). This problem occurs when the condensate pump is not working correctly. The result will be destruction of the vacuum pump.



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