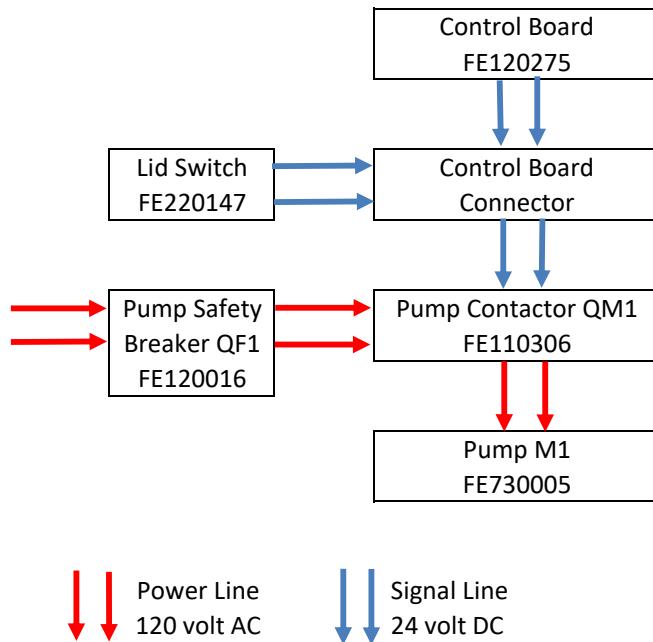


# MVS 45 Series (except XP series)

## Pump is not starting



Possible causes of pump not running.

1. Is machine power cord connected directly to a wall outlet?  
Long extension cord can cause amperage deficiency for the pump/motor.
2. Has the oil and/or air exhaust filter been maintained regularly?  
Contaminated oil can cause binding in the pump. Clogged air filter can cause pump in-efficiency/breathability.
3. When lid switch is engaged, is there signal from control board going to pump contactor QM1?  
Lid switch dis-continuity can disrupt flow of signal.
4. If there is signal from the control board, is the pump contactor coil engaging?  
Control board may have output signal issues.
5. Is there power at pump contactor input and output (when coil is engaged)?  
Contactor may have internal short not allowing power to go through when coil is engaged.
6. Is the pump safety breaker QF1 tripped?  
Safety breaker may have tripped due "high amperage" pull by the pump motor.
7. Can the pump/motor be manually spun?  
Contamination can cause binding/blockage between the vanes, rotor and cylinder of the pump section.