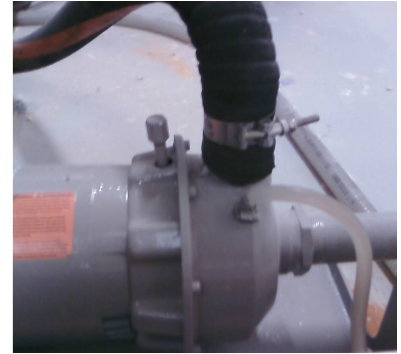




# Dealer Update

## Subject: WATER COOLED MECHANICAL SEALS

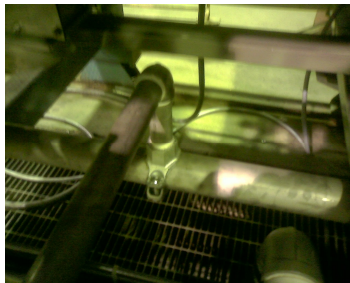
Late model CBW systems are equipped with a high flow reuse water pump on flow lifters, splitter and some press water recovery tanks. These pumps were originally supplied without a seal flush inlet tube and we witnessed some premature seal failures. The vendor helped with a seal flush inlet pipe (as shown to the right) and after implementation we connected fresh water feeds to this seal flush inlet.



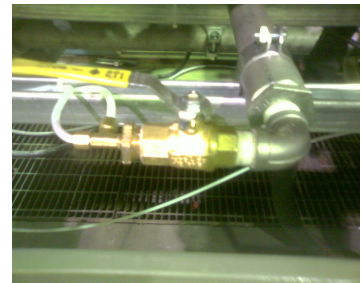
For all the pumps shipped prior to the added seal flush inlet tube, or shipped with the seal flush inlet tube but not plumbed to fresh water, you may benefit by adding flush water or changing the pump head to include a water seal flush inlet. We can help solve both of the problems like this:

Milnor has started providing cooling to these mechanical seals. This cooling water is supplied off of the main water header under the CBW. For newer CBW's this is already plumbed to a watts ball valve used for isolation. For older CBW's, a connection would have to be created off of the main water header.

Connection to Main Water Header



Cooling Water Isolation Valve



The water from the header flows through an electrically operated solenoid valve, through a check valve and to the pump cavity seal connection.

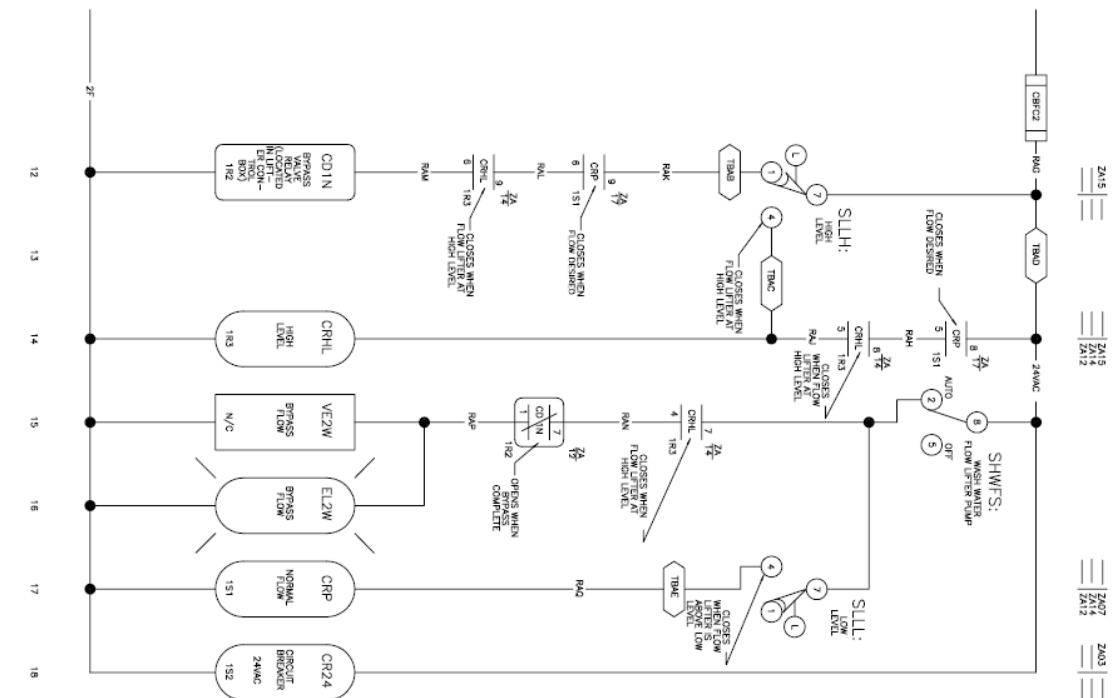
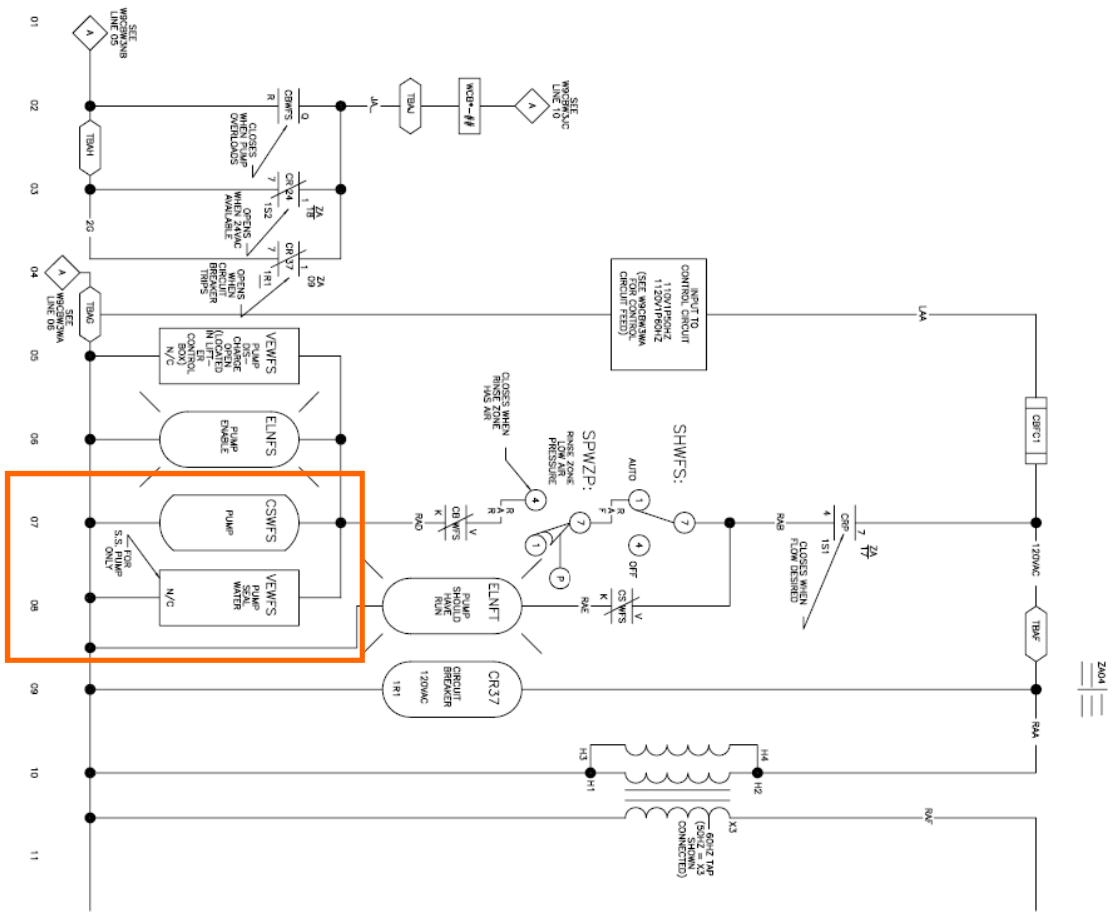
Solenoid Valves



Check Valve and Connection



All pieces and parts can be purchased through Milnor Parts using assembly A63SF001. The solenoid valve is wired in parallel with the motor contactor coil. This is a 120vac coil and when the coil energizes to close the contacts to start the motor, the solenoid valve will also energize to open and let the cooling water flow. An example of this would be in the CBW schematic book, drawing W9CBW3ZA line 08. When you identify the motor contactor CSWFS, you will see that the solenoid valve, VEWFS, is wired in parallel. The following page shows the schematic with the components highlighted inside of a box.



# W9CBW3ZA

## G3 CBW SYSTEMS MARK 9

### SCHEMATIC: WASH WATER FLOW

#### LIFTER CONTROL

PELLERIN MILNOR CORPORATION

- NOTES:
1. WHEN LEVEL IS ABOVE LOW, LOWER THE LEVEL IN THE TANK.
  2. # HIGH LEVEL IS REDUCED SECONDS AFTER THE HIGH LEVEL.
  3. \* MEANS THIS SPURT IN ANY MODULE IS ASSIGNED TO MONITOR ANY POWER FAILURE IN THIS CONTROLLER.