

SEAL LEAK SENSOR: FLOAT STYLE

Figure 1



For pumps with secondary seal chambers Tsurumi offers (as standard) an internally mounted seal sensor, (as shown in **Fig. 1**).

It is a float switch type sensor that sits in the seal chamber. Activation of the switch is a result of the incoming water taking the float from a vertical rest position to a horizontal floating position. When activated, an alarm indicator on the door of the panel will illuminate. Additional alarm configurations available upon request (audible alarm, auto-dial, pump shutdown).

Sequence of Operation

Should the bottom seal fail, water will enter the seal chamber contaminating the seal lubricating oil. As the water fills the chamber the float switch will float and rise. Eventually the adjustment will shift a magnet in the float into place which activates the switch. This switch closes the seal sensor relay circuit which triggers a warning light in the control panel.

Figure 2 SEAL SENSOR

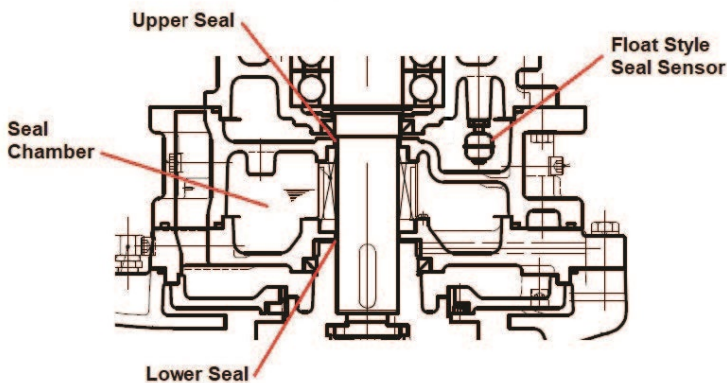
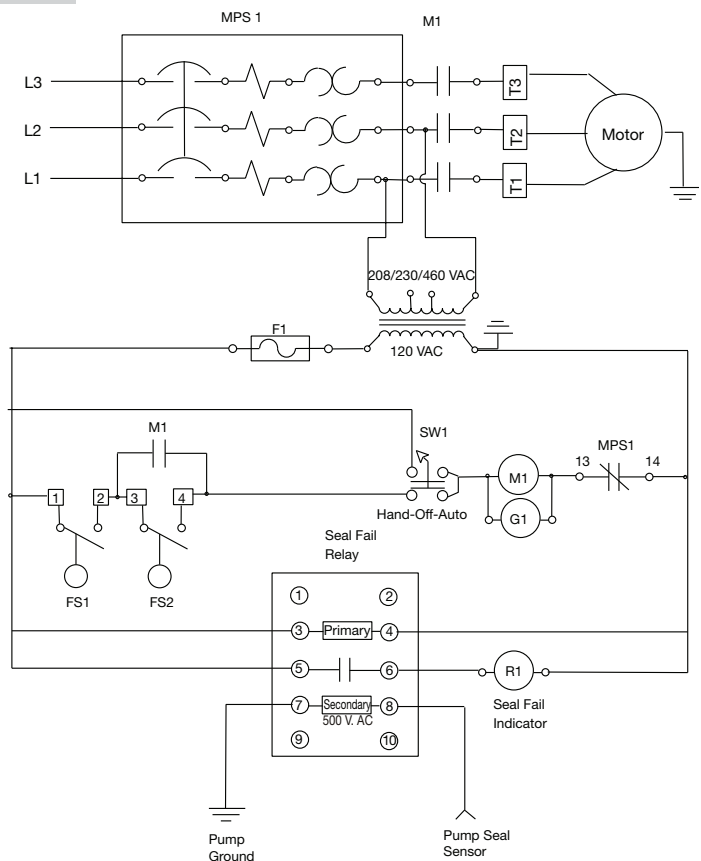


Figure 3 TYPICAL WIRING DIAGRAM



Note: Must be installed in accordance with all National or Local Electrical or Building Codes.