



Operations Manual

System Alarm Conditions NFPA 99

The following is a description of how alarm conditions will affect the operation of the system.

- ◆ If a “Lag pump in operation” alarm is installed in the panel, observe the following. Such an alarm is usually only supplied with medical packages. The alarm consists of a flashing light (usually a bubble light located on the top of the panel) and an audible alarm. The alarm will trigger when the “lag” pump starts up. The alarm will not affect the operation of the system. The light will flash and the audible alarm will sound. The audible alarm can only be silenced by physically pushing the “alarm silence” button. This will not stop the lag pump on light from flashing. The flashing light can be reset by physically pressing the “alarm reset” button.
- ◆ Note: If the lag pump is still operating when the “silence” or “reset” buttons are pressed, the alarm will continue to “sound”. The alarm will only reset if the lag pump is not running.
- ◆ “Transformer failure” light (optional). Only installed if more than one control voltage transformer is supplied. If the transformer failure light is illuminated, one of the transformers has malfunctioned and the second one has picked up. As long as a back-up transformer is available, the above alarm will not affect the operation of the system. If both transformers fail, the system will shut down.
- ◆ “High temp” light. If the high temperature light illuminates, the affected pump will shut down unless otherwise specified at time of purchase of the equipment. The backup pump(s) will continue to operate unless a high temperature (or other) alarm occurs on those pump(s).
- ◆ “Low level” light (optional). If the low oil level is illuminated, the affected pump will shut down. The backup pump(s) will continue to operate unless a similar condition occurs in those pump(s).

Electrical

DynaSeal™ system includes an electrical control panel as standard. The main motor and control instruments are wired to the panel at the factory and a typical electrical wiring diagram is included with this manual. The system must be connected according to the local electrical codes. A disconnect switch should be installed between the system control panel and plant power. The full load current rating is stamped on the motor nameplate and should be used in selecting protective ratings.

WARNING: Install, ground, and maintain equipment in accordance with the national electric code and all applicable federal, state and local codes.

After the electrical wiring connections are completed, the system must be checked for proper motor rotation. The direction of rotation is marked by an arrow on the pump housing. Jog the motor by pressing the Start button, and then the Stop button. If the direction is wrong, switch any two of the three main power leads on the contractor inside control panel.