

Proven Controls



Tank Monitor Kit
Hardware for basic tank monitoring

General Description

The tank monitoring kit is comprised of hardware used to monitor tank levels, tank volume, and temperature. This hardware will work with any tank shape or size. All sensors are monitored by the control system and triggers pumps, alarms, and control valves.

Tank Hardware included in kit:

- Tank continuous liquid level sensor
- Tank static level probes
- Product temperature probe

The liquid level sensor selection is based on the height of the tank with three sensors available.

- Sensor 1 monitors up to 49"
- Sensor 2 monitors up to 118"
- Sensor 3 monitors up to 216"
- Custom sizes available upon request

The level probes monitor the tank level based on percentage of tank volume measured in inches.

- Level 1 is the critical high level – turns fuel return pump on at 90% of tank volume
- Level 2 is the high level – turns the fuel supply and return pumps off at 85% of tank volume
- Level 3 is the low level – turns fuel supply pump on at 50% of tank volume
- Level 4 is the critical low level – turns on fuel supply pump at 30% of tank volume
- Level 5 is optional overfill level – turns fuel return pump on at 95% of tank volume
- Custom probes available upon request

The temperature probe monitors the fuel temperature