



Lincoln's New Design Automatically Shuts Off Grease Fill Supply To The Reservoir

Lincoln's advanced grease level gauge design with automatic overflow shut-off option is unlike any other system in the industry.

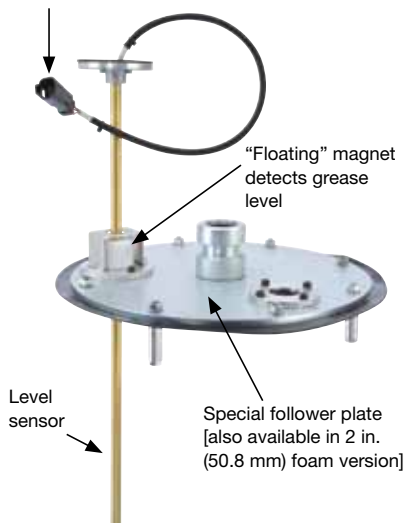
- The system senses the position of the follower in the reservoir (i.e., grease level) and sends the signal to a level gauge which can be mounted at the fill station.
- Grease level can be determined at all times.
- The level indicator signal can also be integrated into on-board systems.
- The system can prevent dangerous and costly overfills when used with the automatic shut-off valve system.
- The sensor and follower plate automatically signals a high pressure shut-off valve to the reservoir before overflowing occurs.
- Reduces maintenance time allowing personnel to do other jobs.

Unlike other shut-off systems, the Lincoln system does not use pressurized technology. Therefore, the reservoir is not completely welded together and, thus, the system does not need to adhere to the governmental pressurized-vessel regulations in some countries (Australia).

Overflow spillage is a common result of ground filling large grease reservoirs located in remote or hard-to-reach areas of machines. The Lincoln automatic shut-off system prevents this type of overflow avoiding safety hazards which can result in injury and potential costly fines. As a result, it is easy to see how this system will pay for itself. This system is completely retrofitable to all FlowMaster pump and bucket combinations with a follower.

When filling the reservoir, a high-pressure shut-off valve activates when the reservoir is full, stalling the supply pump. After the supply pump is turned off, a pressure relief button on the control box opens to relieve supply line pressure so it can be safely uncoupled.

Deutsch connector links the sensor to the controller



FlowMaster pump and reservoir with 2" (50.8 mm) foam follower and level sensor



Model 280450

Model 280450

Control box with grease-level gauge (24 V DC), “full” alarm light and momentary switch for shut-off valve.



Model 283005

Model 283005

7,350 psi (507 bar) shut-off valve is designed to prevent overflow during reservoir filling.



Model 276849

Model 276849

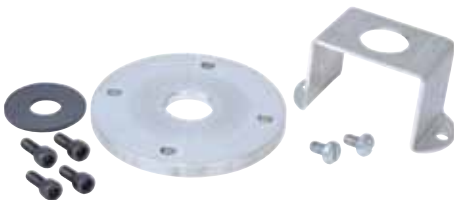
Special FlowMaster reservoir lid to accept sensor .



Model 274872

Model 274872

10,000 psi (689.5 bar) high-pressure gauge before shut-off valve.



Model 278097

Model 278097

Follower magnet bracket kit.



Model 280414

Model 280414

Cable assembly between sensor and controller.

Model	Description
280455	Controller for level sensor only
280450	Controller for level sensor and overflow prevention system
283005	7 350 psi (507 bar) high-pressure shut-off valve
274524	Sensor for standard 60 lb. (27 kg) follower
277659	Sensor for 2 in. (50.8 mm) 60 lb. (27 kg) foam follower
274312	Standard 60/90 lb. (27/41 kg) follower with sensor bracket
85706	2 in. (50.8 mm) 60/90 lb. (27/41 kg) foam follower with sensor bracket
280441	Sensor-ready lid for 60/90 lb. (27/41 kg) reservoir with standard follower
277703	Sensor-ready lid for 60/90 lb. (27/41 kg) reservoir with 2 in. (50.8 mm) foam follower
278092	Sensor for standard 90/120 lb. (41/54 kg) follower
277654	Sensor for 2 in. (50.8 mm) 90/120 lb. (41/54 kg) foam follower
278094	Standard 120 lb. (54 kg) follower with sensor bracket
278095	2 in. (50.8 mm) 120 lb. (54 kg) foam follower with sensor bracket
280442	Sensor-ready lid for 120 lb. (54 kg) reservoir with standard follower
278096	Sensor-ready lid for 120 lb. (54 kg) reservoir with 2 in. (50.8 mm) foam follower
280414	30 ft. (10 m) controller cable
278097	Follower magnet bracket kit (for all followers)
85763	60 lb. (27 kg) 24 VDC FlowMaster II pump and bucket with sensor
85762	90 lb. (41 kg) 24 VDC FlowMaster II pump and bucket with sensor
274872	10,000 psi (689.5 bar) high-pressure gauge; ¼ in. NPT; 2½ in. (63.5 mm) face

WARNING

Make sure fill coupling is capable of handling high pressure.

Note: standard follower, sensor and lid must be used together. 2 in. (50.8 mm) foam follower, sensor and lid must be used together. Do not mix.