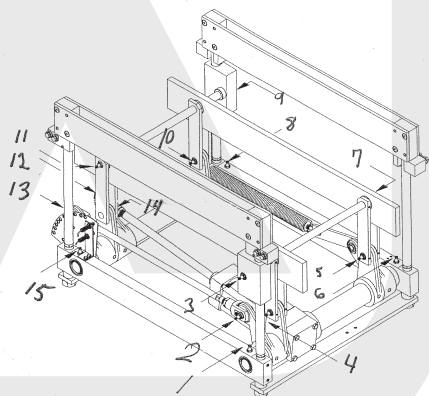


THERMOFORMER Auto Grease Systems

Application

Ideal grease lubrication practices would include adding an infinitely small amount of grease immediately after bearing consumption, maintaining the optimal lubrication level and performance. The reality behind PM grease schedules is we pump "2 shots" into a bearing every week or so and it works "fine." Truth be told, most bearings go unlubricated because they are hard to reach or even unknown to maintenance personnel. Grease fittings are hidden behind guards or are in tight places on a moving apparatus similar to the scissor lift pictured at right. Bearings never get greased and some luckily get "2 shots" when the machine is in annual teardown. XACT bridges the gap between "the wish" and "reality" by offering an automatic grease lubrication package which lubricates more frequently and at all of the lubrication points. Installing our system when the machine is down for its "annual", the hidden lube points are fitted with specialty fitting and flexible lines. Lines are marked and conduit runs to a corresponding discrete pump located in an enclosure. Along with a centralized grease reservoir, timer and solenoid, these individual pumps deliver grease more often, using less lubricants. In actuality, you deliver your "2 shots" over the period of one week which allows the bearing to maintain near-perfect lubrication, guarding against over-lubrication and addressing each lube point. The centrally-located grease reservoir allows for maintenance-assisted lubrication, reducing total maintenance time and increasing lubricant effectiveness.



System Details

Systems are available complete with enclosure, power supply, cycle timer, reservoir, pumps, tubing and fittings. Systems may also be purchased as installation kits for integration into existing enclosure or machine cabinet. We use stainless steel bulkhead unions for communication of grease lines to externally run tubing. Each output line receives a positively-dispensed volume from a discrete adjustable pump. The pump bank is modular by design and can range from 1 to 8 pumps. All pumps in a bank receive grease through a common inlet. The bank also delivers grease to each output based on a single air port input. Signal is generated by a simple timer and three-way solenoid valve. More complex delivery schedules can be achieved with the use of our programmed relay. Grease is stored under low pressure in our "air over" reservoir. This low-pressure storage provides rapid delivery without concern of grease separation.

Technical Data:

Part No.	XEAMGLS-
Availability	4 Weeks
Typical Install Time	4 Hours
Number of Lube Points	1 to 36 Bearings
Lubrication Intervals	Continuous
Recommended Lubes	JAX Halo-Guard Fg Series
Power Requirements	100 to 240 VAC
Air Requirements	40 PSI to 150 PSI @ 2CFM
Recommended Maintenance	Check output periodically; replace seals every 5 years.