WYMARK

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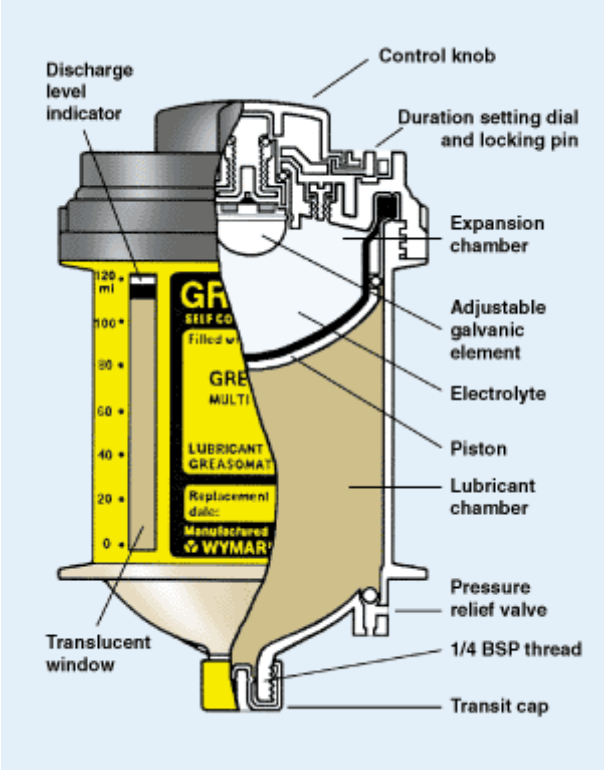
Allube Ltd

GREASOMATIC ®

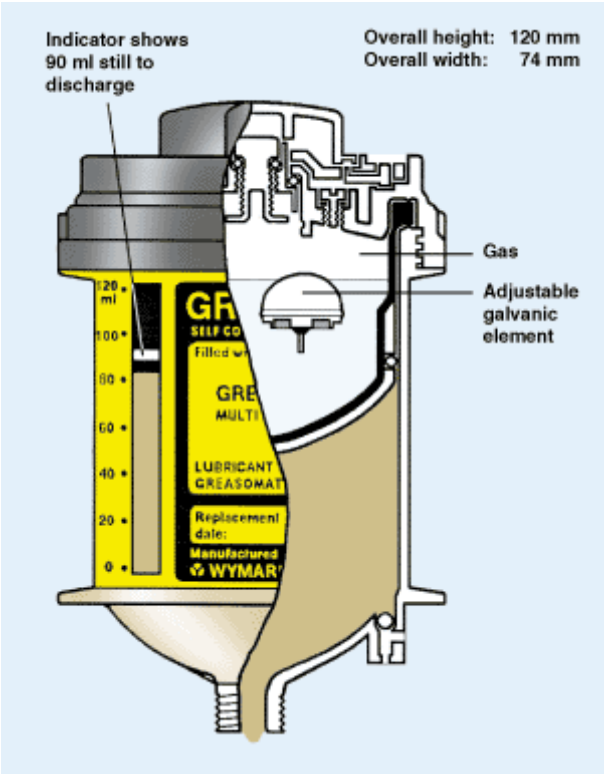
Automatically delivering lubricant in the simplest, most efficient and most economical way.

- Pumps & compressors
- Oil refineries/Rigs
- Underground & surface mining
- Quarries
- Pulp & paper mills
- Crushers & shakers
- Air handling equipment
- Food & beverage processing
- Power generating stations
- Bridge & stacker cranes
- Sawmills
- Pharmaceutical plants
- Foundries
- Textile producers
- Glass industries
- Airports
- Plastic moulders
- Steelworks
- Automotive assembly
- Cement plants
- Water purification plants
- Sewage treatment works
- Conveyors
- Large electric motors
- Railways
- Lifts/Elevators
- Glass container plants
- Chemical plants
- Laundry equipment
- Wood processing machinery
- Mechanical robotics
- Dockside equipment
- Ships
- Bakeries
- Brickworks
- Printers

SAFE FOR USE IN ANY INDUSTRY OR ENVIRONMENT Due to the nature of its construction the **GREASOMATIC** is classified under the **ATEX Directive 94/9/EC** as not having its own ignition source. Furthermore it has been accepted for its suitability for use underground by **CERBERUS** (Mining Acceptance Services Ltd) as a single point lubricator



An unactivated GREASOMATIC



A working GREASOMATIC

What is a GREASOMATIC?

A self-ejecting canister of lubricant designed to screw into a grease nipple socket or other lubrication point, and discharge its content of 120 ml of lubricant in a controlled continuous flow, for a preselected period of between one month and twelve months. It is completely self contained and needs no pumps, motors, electricity or compressed air. Once fitted and activated it will work without attention until its allotted lifespan is over.

HOW IT WORKS

Each GREASOMATIC contains its own unique chemical expulsion unit. This has no springs or mechanisms but relies on an unvarying law of nature. Built into the top of each GREASOMATIC is a flexible rubber expansion chamber containing a liquid electrolyte and a galvanic element. The unit is activated by injecting the galvanic element into the electrolyte. The resultant electro-chemical reaction generates a steadily increasing amount of gas, which gradually expands against a piston, to extrude the lubricant slowly but surely into the bearing to which the GREASOMATIC is fitted. The chemicals and gas remain hermetically sealed within the expansion chamber so that no contamination of the lubricant can occur, even after the unit itself is spent. During the working life of the GREASOMATIC, an indicating ring on the ejection piston shows through translucent windows in the body to enable the discharge state to be monitored.

THE PRESSURE RELIEF VALVE

This is provided to guard against the possibility of the GREASOMATIC being fitted unwittingly to a bearing with blocked greaseways. Should the pressure built up by the GREASOMATIC prove insufficient to clear the blockage, the valve will open to allow the lubricant to escape and prevent excessive pressurisation of the GREASOMATIC. The exudation of lubricant around the GREASOMATIC will serve as a warning that the greaseways are blocked and that no lubrication is taking place.