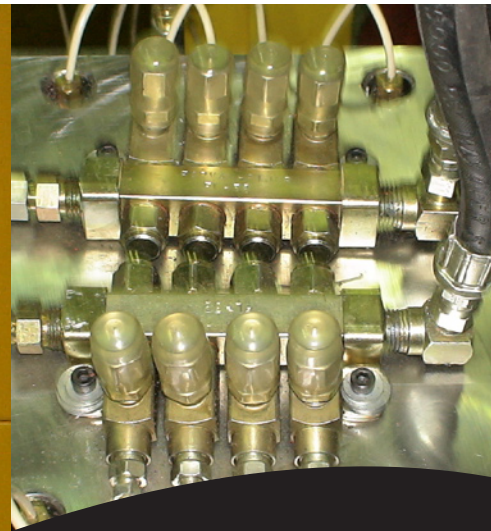


Application Success

Packaging



Application Overview

Lubricate grease points on plastic injection molding machines that are used to make various types of containers.

Why Automatic Lubrication?

It is a very price competitive industry and down time is critical. The molds are very complex with the maximum number of cavities, made to run at the shortest cycle time possible.

BDI Products

- + CPG Lubricator
- + FL Series Injectors
- + SS2200 Controller

Advantages

- + Decrease machine down time
- + Decrease risk of employee injury
- + Protects the mold from being damaged due to lack of lubrication
- + Decrease the power consumption and increases machine performance
- + Decreases the amount of grease used (monitored by controller)

Please contact factory for additional information on this or any other application.

Products Utilized for Plastic Injection Molding Machines

CPG Lubricator

- + **Description:** 6 liter (12 lb) reservoir, grease, with a low level switch

The CPG Pneumatic Lubricator is an air-operated reciprocating lubricator that discharges a fixed amount of lubricant into systems during a lubrication cycle. It includes a transparent reservoir, spring loaded follower, vent valve assembly and a filler fitting for refilling of reservoir.



FL Series Injectors

- + **Description:** FL-32 Injector, 4 outlet injector manifold, carbon steel

Single and manifold injectors are adjustable up to 0.131 cc (0.008 cubic inches) discharge per cycle. Each manifold includes two mounting clips and screws.



SS2200 Controller

- + **Description:** 115 VAC (50/60 Hz)

The SS2200 Controller is a microprocessor-based programmable controller specifically designed to control single line and dual line centralized lubricating systems. The remote controller will operate on time or machine cycles and will control electric or motor-driven lubricators. The controller is housed in a NEMA 4X Polycarbonate enclosure with a clear front cover. Precise LED indicators clearly display idle, lube or fault modes, and a three-digit numerical display used during both programming and lube system operation.



Typical System Layout

ExactoServe grease system: includes CPG Lubricator, FL-32 Injectors, pressure switch and SS2200 Controller. 32 lubrication points.

Background

Manual lubrication caused too much down time and did not provide adequate grease. The payback time for the installation is minimal. It protects the molds, machine and employees.

Refer to the following datasheets:

- + Datasheet #35502:
CPG Lubricator
- + Datasheet #27314:
FL-32 Injectors
- + Datasheet #24735:
SS2200 Controller (AC)

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