

# Centro-Matic Centralized Lubrication System



## Oil Lubrication for slow moving chains

- The chain speed can be up to 6 m/min if brushes are used.
- For contact-free squirt applications, the chain speed is dependent on the chain division and the total number of SL-43 lubricant injectors.

The Centro-Matic system is a single-line system. One application for a Centro-Matic system is the oil lubrication of chains.

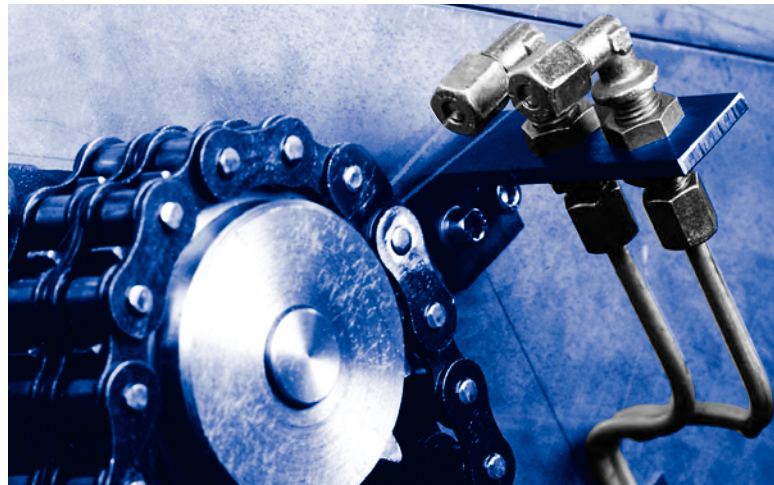
The Centro-Matic oil system operates intermittently with a change in pressure and pressure relief.

A centralized pump supplies the connected injectors with oil. The injector supplies the metered quantity of oil under pressure (52-69 bar) and the metering chamber is filled. After the mainline pressure has been relieved, the preset quantity of oil from the metering piston is forced in front of the supply piston. The Lincoln "SL" injectors are the key component of a Centro-Matic system.

The injectors are infinitely adjustable and they are equipped with an indicator pin for visual monitoring. SL-43 injectors, with a pneumatically driven single-stroke centralized lubrication pump, are most commonly used for oil lubrication of chains.

## System Advantages

- Switching on and off of individual chain groups is possible
- Exact metering, independent of oil viscosity and flow resistance
- The high operating pressure of the injector enables accurate oil expulsion
- Lubricates without compressed air



### 83667 Single-stroke Pump

Pneumatic drive  
Air inlet pressure 2.9 - 3.4 bar  
Ratio 20:1  
Output 7.3 cm<sup>3</sup>  
Reservoir capacity 2 L  
Height 470 mm

### 82885 Single-stroke Pump

(not shown)  
As above, except  
Reservoir capacity 0.59 L  
Height 264 mm

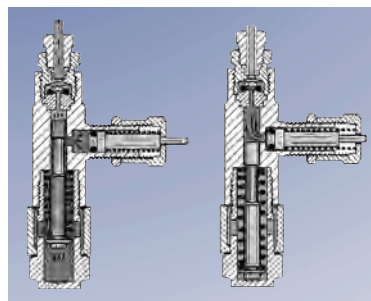
*Note: Controller and pressure reducer required*



### SL-43 Injectors

Adjustable 0.016 to 0.131 cm<sup>3</sup>

Manifolds available with 1 to 4 lubricant injectors



**We design each Centro-Matic chain lubrication system from individual components to suit your requirements.**