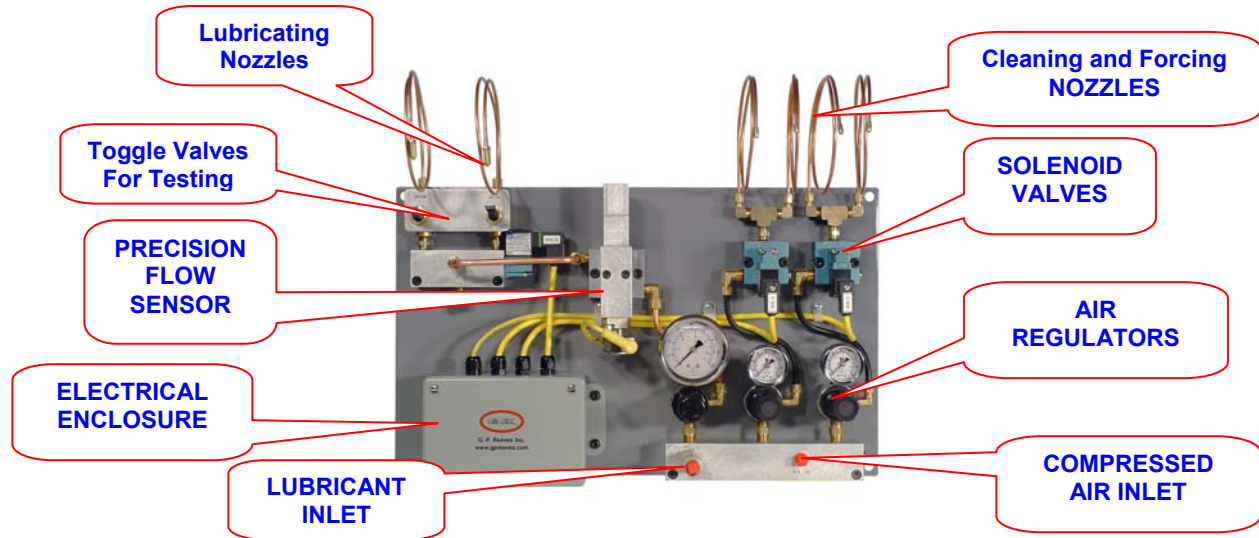


MICRO-500 Conversion Kit

for existing Lube Con pin chain oilers

Replaces existing Lube Con solenoid valve(s) and oil tubes

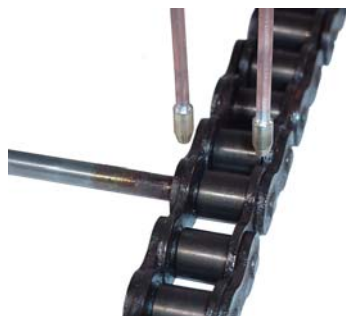
- Lubricates the chain through two micro-diameter (.009 inch) ruby orifices.
- Cleans chain before lubrication and forces lubricant into chain
- Controlled by decorator PLC
- Controlled lubricant output reduces flinging at sprockets
- Reduces drive power requirements and energy consumption
- Reduces lubricant usage by up to 80%



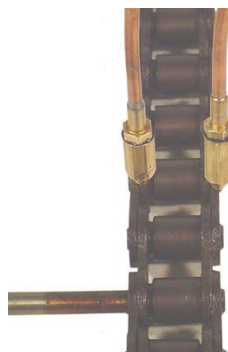
CONVERSION KIT COMPONENTS ON MOUNTING PLATE

The MICRO-500 conversion kit uses three different nozzle pairs to clean, lubricate, and force lubricant into the chain.

1. The two high velocity cleaning nozzles clean the chain before lubricant is applied.
2. The two micro-diameter lubricant nozzles apply a minute controlled film of lubricant to the chain.
3. The two controlled velocity forcing nozzles push the lubricant into the wear areas of the chain and also remove excess lubricant from chain.



CLEANING NOZZLES
(before lubrication)



LUBRICATION NOZZLES



FORCING NOZZLES
(after lubrication)

G. P. Reeves Inc. 12764 Greenly Street Holland, MI 49424

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Web Site: <http://gpreeves.com>

USES EXISTING LUBE CON PUMP

The conversion kit requires lubricant at 30 to 60 p.s.i. from Lube Con pump and a connection to filtered “shop” compressed air. The existing Lube Con pump must be operational and capable of pumping chosen lubricant at necessary pressure.

CONTROLLED LUBRICANT FLOW

Two 24 inch long micro-diameter ruby orifice nozzles (one for each side of the chain) dispense minute controlled amounts of lubricant onto the pin chain. Each nozzle has a .009 inch diameter jewel (ruby) orifice. The lubricant pressure and volume are controlled by a sensitive pressure regulator with gauge and a precision flow sensor monitors the lubricant flow to both nozzles. Lubricant flow is based on lubricant viscosity and pressure. The chart below shows demonstrated lubricant flow of a single nozzle.

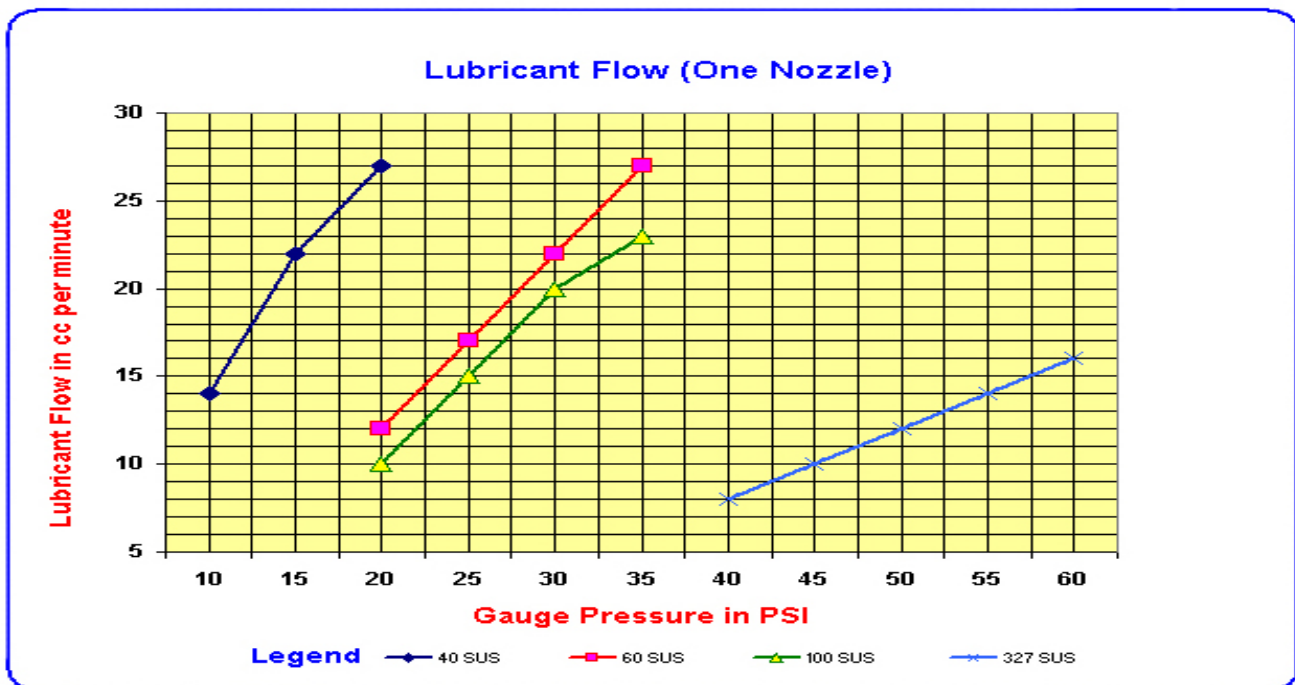
CONTROLLED CLEANING AND FORCING

Air solenoid valves, pressure regulators, and small air nozzle orifices facilitate precise control of the compressed air used for cleaning the chain prior to lubrication and for forcing the lubricant into the chain.

STANDARD FEATURES

- Compressed air regulator with gauge
- NEMA 12 electrical enclosure
- Lubricant pressure regulator with gauge
- Precision lubricant flow sensor

GENERAL SPECIFICATIONS	
Lubricant	Oil: viscosities between 20 and 400 SUS @100° F. Lubricant should not require agitation.
Maximum chain speed	None
Lubricant nozzle	Two included with .009 inch diameter jewel (ruby) orifice
Input power	24 VDC
Compressed Air	60 p.s.i. recommended
Ambient Temperature	50 to 120° F.
Cleaning Nozzles	Two included and each has .035 inch diameter orifice
Forcing Nozzles	Two included and each has .035 inch diameter orifice
Mounting plate dimensions	16” wide X 12” high
Shipping weight	50 lb. (23Kg)
Collecting Pans under nozzles	By User



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