

CAT-KB1145-2000 Series

PIN CHAIN LUBRICATOR

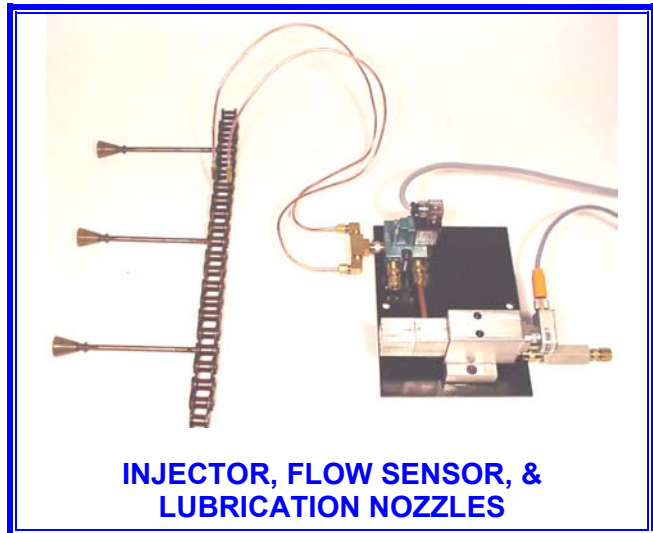
RELIABLE EFFECTIVE CLEAN
FOR PIN CHAINS USED IN CAN DECORATING

- Lubricates the chain through two micro-diameter (.009 inch) ruby orifices.
- Reduces downtime and manual labor and saves time, work, and money
- Uses almost any lubricant

- Controlled lubricant output reduces flinging at sprockets
- Reduces drive power requirements and energy consumption
- Extends the life the pin chain and sprockets



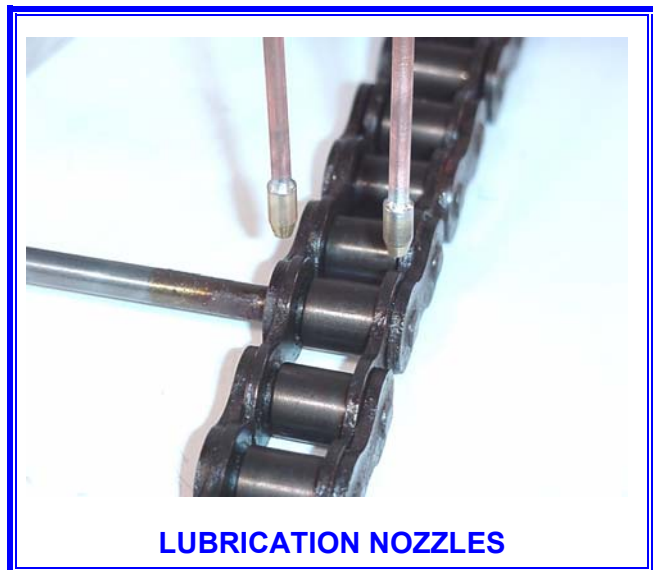
RESERVOIR & CONTROLLER



INJECTOR, FLOW SENSOR, & LUBRICATION NOZZLES



CONTROL PANEL (front view)



LUBRICATION NOZZLES

G. P. Reeves Inc. 12764 Greenly Street Holland, MI 49424
Phone: 888.399.8893 Fax: 616.399.8867 Web Site: <http://gpreeves.com>

CLEAN AND ECONOMICAL

A programmable count controller (PCC) with a four-line interface panel controls the frequency and duration of the lubricant applications. An inductive proximity sensor located adjacent to the chain or a chain sprocket inputs to the PCC. Lubricant will not be dispensed when chain is not moving. The controller has count and progress memory even during electrical power interruptions.

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. 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.

Flow Example: At 2000 cans per minute and pins on 5 1/4" centers, it is possible to dispense and equally distribute 21 cc (10.5 cc x 2 nozzles) of lubricant over 877 feet of pin chain.

STANDARD FEATURES

■	5 gallon lubricant reservoir
■	Low level float switch and pilot light
■	Programmable count controller (PCC)

GENERAL SPECIFICATIONS

Lubricant	Oil: viscosities between 20 and 400 SUS @100 ° F. Lubricant should not require agitation.
Maximum chain speed	None
Reservoir size	5 gallon (19 liter)
Lubricant nozzle	.009 inch diameter jewel (ruby)
Input power	See Models below
Ambient Temperature	50 to 120° F.
Dimensions of pump/reservoir/controller.	33" wide, 15" deep, and 18" high.
Shipping weight	135 lb.
Proximity sensor	Non-contact inductive with Micro connector
Collecting Pan under nozzles	By User

LUBRICANT FLOW CHART

Flow is cc per minute at 80° F.

Pressure (p.s.i.)	Viscosity (SUS is at 100° F.)		
	40 SUS	100 SUS	327 SUS
4	4.5	no flow	no flow
6	8	no flow	no flow
10	14	no flow	no flow
12	19	no squirt	no flow
15	22	no squirt	no squirt
18	24	7.5	no squirt
20	27	10	6
25		15	9
30		20	10.5
35		23	12
40			14
45			16
50			17.5
60			20

MODELS

Model Number	Voltage
KB1145-2000	120 v.a.c. 60 Hz
KB1145-2001	240 v.a.c. 50/60 Hz.

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