



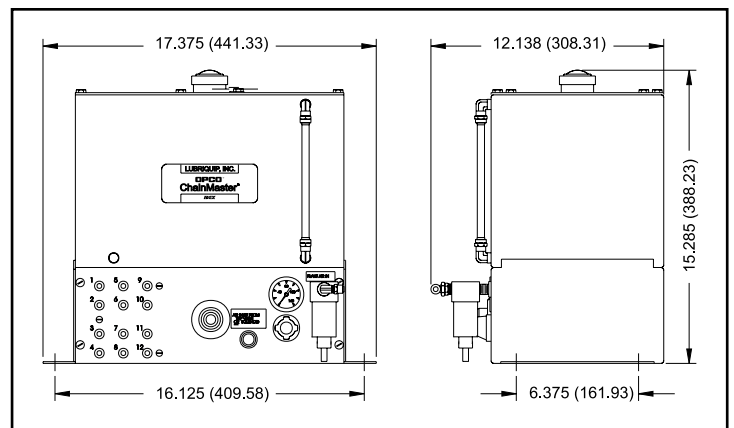
# OP-139

## General Purpose Air Operated Conveyor Lubrication System

**Simple, yet effective clean precision lubrication for all types of conveyor systems.**

### Features/Benefits

- Integral heavy duty 5 gallon steel reservoir
- Lubricant level sight gauge
- Positive displacement metering pump
- Up to 12 individual lubricant outlets
- Proximity sensor or air operated trip device
- Extends the "useful operating life" of conveyor components and systems
- Lubricates during production
- Reduces maintenance costs
- Reduces conveyor downtime
- Reduces power consumption
- Precision lubrication reduces waste and contamination
- Eliminates conveyor surge
- Reduces undesirable noise
- Wide viscosity range capability provides flexibility in lubricant selection



## Accurate and Reliable Lubrication

The OPCO Model OP-139 pneumatically operated lubricator can be controlled by a manual on-off valve; or can be electrically controlled by means of a timer, counter, or customer PLC. The Model OP-139 is equipped with a positive displacement lubricant metering pump and can provide from 1 to 12 metered lube “shots” to the conveyor wear points depending on the application. The lubricant “shots” are delivered from nozzles mounted near the moving wear points, so lubrication is performed while the conveyor is operating under normal production conditions. The metering pump can be actuated by either a mechanical air limit (trip) valve used to detect the position of chain rollers or trolley wheels on the moving conveyor, or a non-contact proximity sensor and control solenoid valve.

## The Model OP-139 can be supplied as a:

- Kit with the all of the key operating components less mounting brackets for applications where the customer can fabricate mounting brackets in the field.
- Complete engineered system with all necessary bracketry, mounting hardware and assembly drawings.

## Standard Components

- Positive displacement piston pump(s)
- Integral 5-gallon lubricant reservoir
- Lubricant level sight tube
- Airline preparation equipment
- Heavy duty pneumatically operated trip valve assembly or inductive proximity switch

## Optional Equipment

- 1000 hour repeat cycle timer with cycle progress display
- 12 hour manual on/automatic off timer
- Manual on/off air valve (standard on A kits)
- Electric on/off junction box (standard on E kits)
- Electric on/off design for PLC Interface
- ChainMaster Counter Controller
- Remote-fill valve for automatic filling.
- All-electric remote-fill pumps in 5, 16 and 55 gallon sizes
- 24 VDC version with recycle timer

SPECIFICATIONS	
<b>Lubricant</b>	32 – 220 cST@40°C (not to exceed 250 cST @ operating temperature), lubricants with solid additives must be colloidal with solids < 5 microns viscosity improvers and stick-slip additives degrade "shot" performance and must be approved by OPCO prior to use.
<b>Shot Volume</b>	0.0045 in <sup>3</sup> (0.074 cm <sup>3</sup> )
<b>Air Requirement</b>	80 psi, 1/4in NPT inlet
<b>Reservoir Size</b>	5 gallon (18.5 liters)
<b>Ambient Temperature</b>	40°F to 120°F (5°C to
<b>Input Power</b>	115 VAC, 50/60Hz standard, 1.5 amp; 220 VAC, 50/60Hz standard, 0.8 amp; 24 VDC, 0.4 amp (when used with optional controls)
<b>Material Compatibility</b>	Nonmetallic parts exposed to the lubricant: Buna-N, nylon, delrin, neoprene, butyrate and Viton; Nonmetallic parts exposed to ambient: poly carbonate, neoprene, nylon and thermoplastic
<b>Outline Dimensions</b>	See dimensions drawing on front page