

OP-52/OP-53 Conveyor Caterpillar Drive Chain Lubricators

Cost-effective orifice lubrication for conveyor drive,
short transfer and machine chains



- Delivers a precise volume of lubricant per stroke with positive displacement pump.
- Controls lubrication cycle frequency and duration accurately with programmable solid state adjustable timer.
- Installs easily - pump and controls assembly requires four mounting bolts and one electrical connection.
- Constructed of durable molded plastic or fabricated metal for harsher environments.
- Operates cleanly and affordable to save time, work and money.
- Simple start-up and testing procedures with manual-run push- button.
- Delivers most fluid lubricants.
- Lubricates drive chains effectively to extend drive and conveyor chain life.

General Description

The OPCO ChainMaster OP-52 and OP-53 are specifically designed as affordable answers to your conveyor drive, short transfer and machine chain lubrication needs. In standard configurations, the units are available in either durable molded plastic construction with a 1/2 gallon (1.89 liter) translucent reservoir, or a 1.3 gallon (4.93 liter) fabricated steel reservoir for heavy industrial applications. Both come complete with 12 feet of 5/32" O.D. oil delivery tubing, a 40 micron oil filter and an oil delivery nozzle with holder.

The OP-52 pump incorporates a large-diameter piston and delivers a high volume of lubricant per stroke. The OP-53 has a smaller diameter piston, is capable of operating at higher pressures than the OP-52, and can deliver higher viscosity lubricants.

Specifications

	OP-52	OP-53
Lubricant	Oil: 100 to 10,000 SUS	Oil: 60 to 30,000 SUS
Pump Output Per Stroke	0.035 cu.in. (.572 cu.cm.)	0.010 cu.in. (.165 cu.cm)
Reservoir Capacity	Plastic-1/2 gallon (1.89 liters) Metal-1.3 gallons (4.93 liters)	Plastic - 1/2 gallon (1.89 liters) Metal - 1.3 gallons (4.93 liters)
Operating Temperatures	Min. 0°F (-17.8°C) Max. (intermittent operation) 140°F (-60°C)	Min. 0°F (-17.8°C) Max. (intermittent operation) 140°F (-60°C)
Maximum Operating Pressure	100 psi (689 kPa)	500 psi (3,447 kPa)
Pump Gearmotors	115V, 50/60 Hz, shaded pole, 12 rpm at 60 Hz, 10 rpm @ 50 Hz, 0.13 amp running current, 0.185 amp inrush current	115V, 50/60 Hz, shaded pole, 12 rpm at 60 Hz, 10 rpm @ 50 Hz, 0.13 amp running current, 0.185 amp inrush current
Low Level Switch Contacts	10 amp resistive @ 120 VAC 7 amp inductive @ 120 VAC	10 amp resistive @ 120 VAC 7 amp inductive @ 120 VAC
Dimensions	Metal - 24" (609.6 mm) x 8" (203.2 mm) x 6" (152.4 mm). Plastic -12" (304.8 mm) x 10" (254 mm) x 6.5" (16 mm)	Metal - 24" (609.6 mm) x 8" (203.2 mm) x 6" (152.4 mm). Plastic -12" (304.8 mm) x 10" (254 mm) x 6.5" (165 mm)

Standard Components

- Complete electric operation at 115 VAC, 50/60 Hz (drive conditioned).
- Direct drive positive displacement pumps.
- Solid state adjustable timer for cycle and on-time control.
- Four-hole mounting for standard 5/16" screws.
- Manual override push-button for system bleeding, purging and testing.
- Low-level indicator, output contacts and inhibit circuit for pump protection.
- Built-in pressure relief assemblies (OP-52, 150 psi; OP-53, 500 psi).

Optional Equipment

(Steel reservoir only)

- Remote-fill valve for trouble-free automatic filling.
- All-electric remote-fill pumps in 5-, 16- and 55 gallon sizes.

WearMaster Lubricants

Using the right lubricants and matching the lubricant to the conveyor can save money lost to wear, downtime and extra energy consumption. Graco has developed a complete line of lubricants for all conveyor applications, designed to keep your system running smoothly.

Recognized worldwide as lubrication systems specialists, we have years of experience in every aspect of conveyor lubrication-from equipment design, sales and installation to lubricant sales, systems service, consultation and custom problem-solving. As a result, we're familiar with your needs and concerns. We can supply you with the WearMaster lubricants that will provide the best results in your conveyor system.

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.

1.800.USA.LUBE (1-800-872-5823) or visit us at www.lubriquip.graco.com.

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