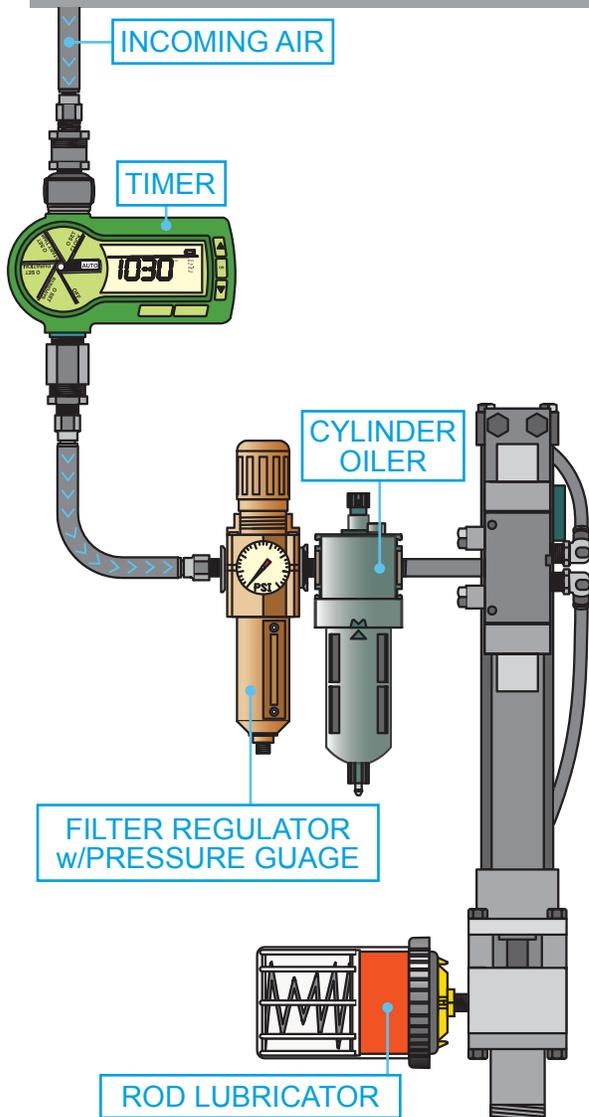


# Pneumatic Lubrication



## EXTEND PUMP LIFE

Two essential elements of pneumatic pump health are lubrication and clean air. Simple maintenance will greatly enhance performance and maximize investment.

Blackhawk offers a low-cost package that combines a rod oiler, filter regulator with pressure gauge, cylinder oiler and pneumatic air-tool lubricant.

## ROD LUBRICATOR

The battery-powered rod oiler injects tiny pre-set amounts of lubricant to the drive rod over long periods of time. It screws in at the seal plate's lube point.

All drive rods need light lubrication to reduce friction and protect the seal cartridge from wear as it scrapes and wipes the rod of particulates from well fluids.

## AIR TOOL LUBRICANT

Included with each lube and filter package is a bottle of air tool pneumatic lubricant, a fluid oil that is formulated to inhibit corrosion and rust and is effective over a wide temperature range.

## CYLINDER OILER & FILTER REGULATOR

A filter regulator combines two functions - filter and pressure regulator -- in a single unit. The filter removes solid and liquid contaminants from incoming air. The regulator modulates incoming air pressure to provide the driver with consistent pressure, which is monitored by the pressure gauge. Poor air quality can damage the driver.

A cylinder oiler ensures that moving parts inside the drive-motor enclosure receive consistent and reliable lubrication. Incoming air pressure pushes tiny drops of oil into the cylinder. An oiler is particularly important in stressful applications and for pumps in dusty, dirty and extreme temperature environments. Lack of lubrication can cause pump motors to seize and may invalidate the warranty.

## Rod Lubricator



The screw-in cartridge is made from recycled polymer and can be replaced in 60 seconds. Users choose from four time-release settings, up to 12 months. The auto lube operates to 140 psi.

## Cylinder Oiler & Filter Regulator



The lightweight filter regulator with pressure gauge is a single unit and is joined to the cylinder oiler.

## Air Lubricant

A bottle of air tool pneumatic lubricant is included in the lube and filter package.



Maximize your investment in Blackhawk Pumps

Fact Sheet #25