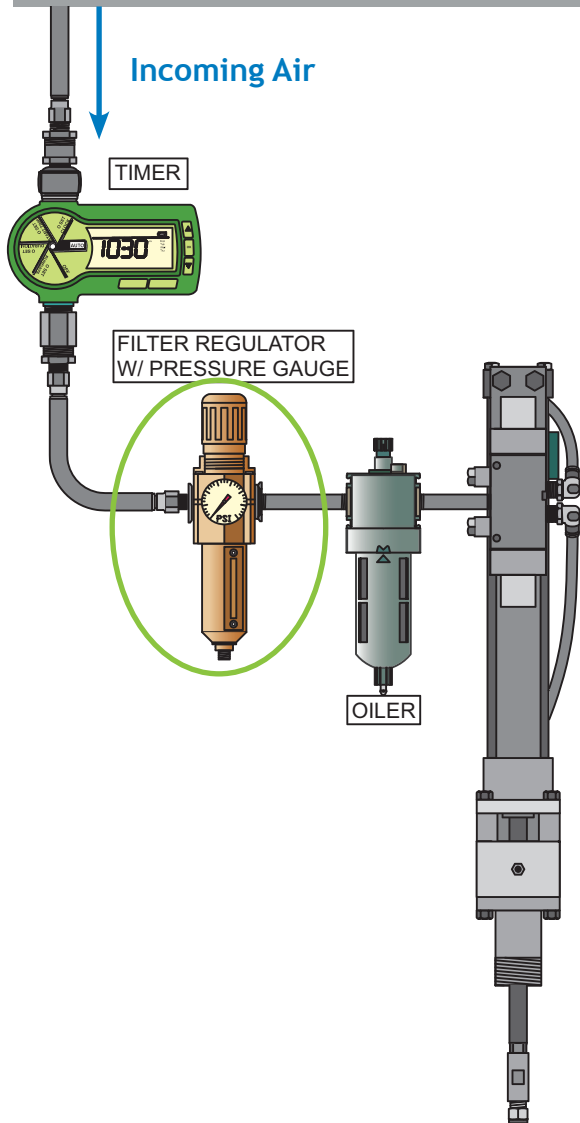


Pneumatic Filter Regulator with Pressure Gauge



WHAT IS A FILTER REGULATOR WITH PRESSURE GAUGE?

As its name implies, the pneumatic device combines two functions - a filter and a 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. Often the filter regulator is attached to a cylinder oiler (see the Blackhawk cylinder oiler fact sheet).

WHY IS IT IMPORTANT?

Clean, dry air under optimal pressure is necessary for efficient performance, which results in less maintenance, fewer repairs and longer driver life. Poor quality air can damage the pump driver.

HOW TO INSTALL

Connect the incoming air line to the filter regulator. Connect the regulator to the driver air intake port with a common connector. If also using a cylinder oiler: Connect oiler with a pipe nipple after the filter regulator, then with a connector to the driver air intake port.



The pneumatic filter regulator is constructed with a lightweight aluminum shell and a transparent polycarbonate bowl at the bottom.

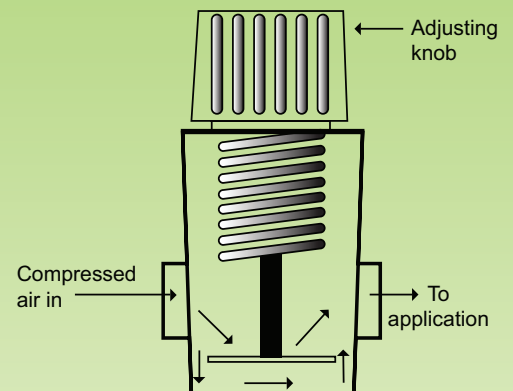


Blackhawk recommends

Linking a filter-regulator to a cylinder oiler to properly prepare air before entering the driver.

How it works

- 1) Filtering: Air enters the unit and passes through the 5-micron filter, housed in the polycarbonate bowl, which removes particulates and moisture. Replace the filter when dirty.
- 2) Pressure regulation (see drawing): A spring-and-seal unit connects to an adjusting knob at the top of the regulator. The knob adjusts spring pressure. The seal moves up or down, against or away from seats, in reaction to incoming or spring pressure. Lessening flow lowers pressure; increasing flow allows pressure to rise.

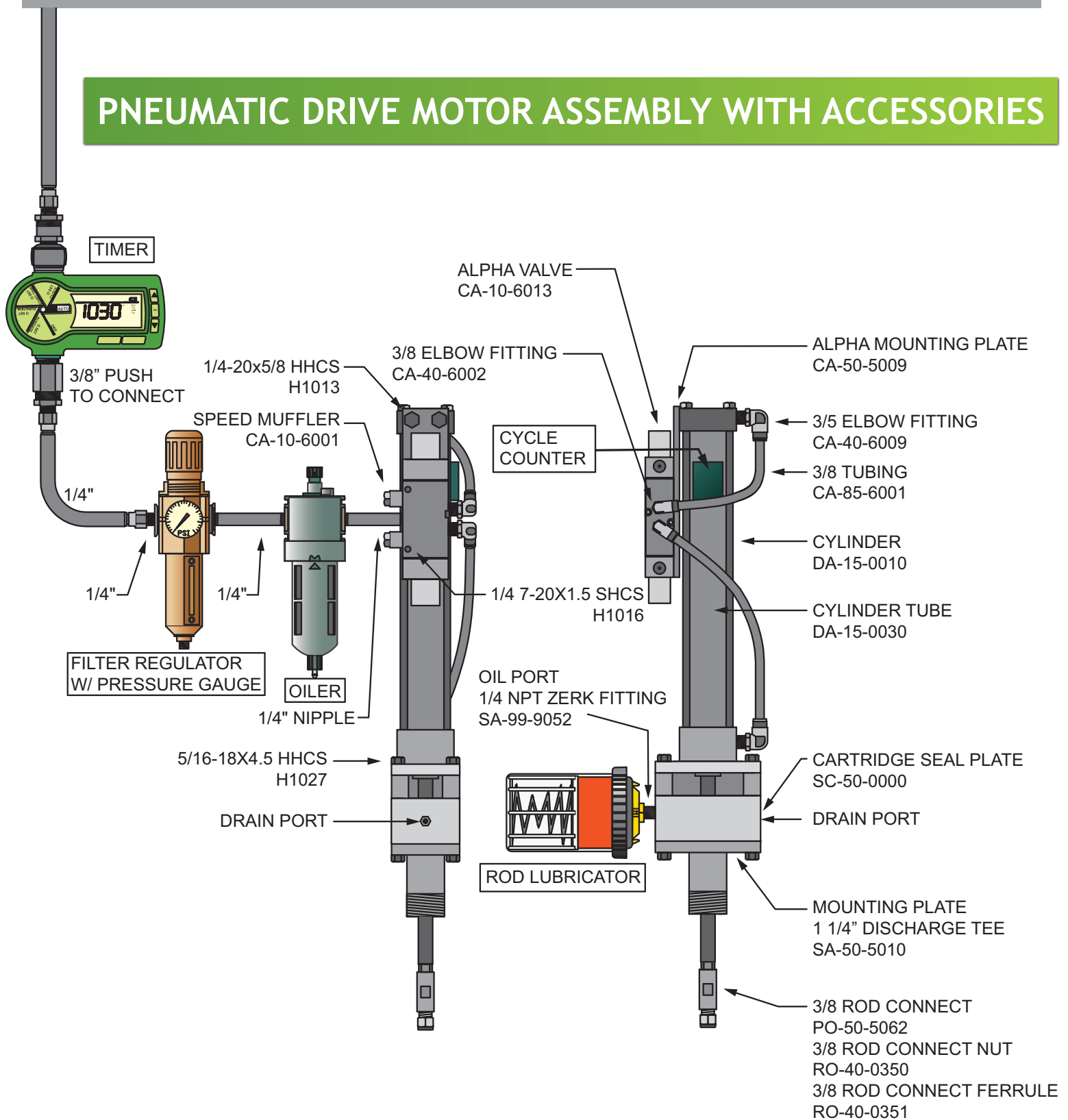


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Fact Sheet #1

Pneumatic Filter Regulator with Pressure Gauge

PNEUMATIC DRIVE MOTOR ASSEMBLY WITH ACCESSORIES



The best-performing environmental pump in the business

