

## HIGH VISCOSITY HAND HELD FILTER



### DESCRIPTION:

In the past choices were very limited when it came to filtering lubricants with viscosities greater than 500 SUS @ 100°F. Now Trico offers a solution with our Hand-Held Filtration Systems. The problem with attempting to filter a high viscosity oil with a lower viscosity system is that the pump and filters are not designed to work with higher pressures required to push high viscosity fluids through the system. As a result these low viscosity units operate primarily in “bypass” mode where little if any of the high-viscosity oil gets filtered.

That is where Trico’s High-Viscosity Gear and Lube Oil Hand-Held System comes in. This system is specifically designed for high-viscosity fluids associated mainly with gear oils and can filter oils up to 7500 SUS @ 100°F (1600 cSt @ 40°C).

To ensure that the equipment receives the cleanest oil possible, for increased equipment life, Trico’s Hand-Held Filtration System provides two-stage filtration. The oil flows through the primary filter first, where coarse particulate is removed. Then the fluid flows through the secondary filter where fine particulate and water are removed..

A variety of filter elements are available to meet recommended manufacturer cleanliness levels.

**FEATURES:**

- Differential Pressure Gauges - Indicates when elements need to be changed.
- Oil Sampling Ports - Two sampling ports available to monitor condition of oil.
- Dual Filters - Two-stage filtration for long element life and pump protection.
- Compact Frame - Lightweight design provides flexibility to service equipment located in hard to reach areas.
- Hoses - Heavy-duty PVC.

**SPECIFICATIONS:**

Pump Type	Pneumatic Motor
Flow Capacity	1 GPM (3.8 litres per minute)
Pump Speed	Variable up to 3000 RPM - Pneumatic
Maximum Inlet Vacuum	15" of Mercury (38.1 cm of mercury)
Hose Sizing @ 2 ft/sec	.75" Diameter Inlet @ 6 feet long (19mm @ 1.8m)
Max. Operating Temperature	150°F (65°C)
Pump By-Pass	85 PSI (586 kPa)
Filter By-Pass	43 PSI (296 kPa)
Maximum Viscosity	1600 cSt @ 40°F / 7500 SUS
Seal and Gasket Material	Viton®
Air Inlet Connection	1/4" NPT Female (pneumatic version only)
Max. Operating Pressure	100 PSI (pneumatic version only) (689 kPa)
Weight	49 lbs (22.3 kgs)
Dimensions	27"Wx13"Dx17"H (68.5cmW x 33cmD x 43.2cmH)