

# Portable Filtration Systems



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 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 Filtration Systems comes in. These systems are 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).

## SELECTION CHART

Model No.	Description
36955	Portable Cart System
36957	Hand-Held System
22467	Hose & Wand Assembly (optional)

## FEATURES:

### Hand-Held System

- **Differential Pressure Gauges** - Indicates when elements need to be changed
- **High Viscosity 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 reinforced PVC and thermoplastic

### Portable Cart System

- **Manual Bypass Valve** - Allows transfer of oil without filtering
- **High Viscosity Oil Sampling Ports** - Two sampling ports available to monitor condition of oil
- **Dual Filters** - Two-stage filtration for long element life and pump protection
- **Industrial Strength Pneumatic Tires** - Wide tires capable of getting over large grate gaps
- **Differential Pressure Gauges** - Indicates when elements need to be changed
- **Heavy Duty Cart** - Rugged and built to last
- **Hose & Wand Assembly (optional)** - Heavy steel wire reinforced clear PVC hosed with 3' long metal wands

# Portable Filtration Systems

## SPECIFICATIONS

	Hand-Held System	Portable Cart System
Pump Type	Industrial Grade Gear Pump	Industrial Grade Gear Pump
Flow Capacity	1 GPM	4 GPM
Gear Pump Speed	1725 RPM	1725 RPM
Maximum Inlet Vacuum	15" of Mercury	8" of Mercury
Hose Sizing @ 2ft/sec	.75" Inlet and .50" Outlet Dia @ 6' Long	1.25" Dia. @ 12' Long
Max. Operating Temperature	110°F Continuous - 150° Limited Use	110°F Continuous - 150° Limited Use
Pump By-Pass	75 psi	65 psi
Filter By-Pass	40 psi	40 psi
Maximum Viscosity	1600 cSt @ 40°C 7500 SUS @ 100°F ISO 1500 @ 40°C	1600 cSt @ 40°C 7500 SUS @ 100°F ISO 1500 @ 40°C
Seal and Gasket Material	Viton®	Viton®
Electrical Service Required*	115 Volts, 10 Amps, Single Phase, 60 Hz	115 Volts, 10 Amps, Single Phase, 60 Hz
Weight	40 lbs	125 lbs
Dimensions	27"W x 13"D x 17"H	28"W x 21"L x 48"H

\*220 Available

## HAND-HELD FILTER MEDIA (SPIN-ON)

	36963	36965	36966	36964	36967
Filter Media	Cellulose	Cellulose	Cellulose	Micro-Glass	Cellulose
Filter Type	Particulate	Particulate	Particulate	Particulate	Water
Diameter	3.7"	3.7"	3.7"	3.7"	3.7"
Length	8.6"	8.6"	8.6"	8.6"	8.6"
Thread	1-12	1-12	1-12	1-12	1-12
Micron Rating	3	10	25	10	3
Beta Ratio	Beta 3 = 4	Beta 10 = 2	Beta 25 = 2	Beta 12 = 75	Beta 5 = 4
Dirt Holding Capacity	36 grams	37 grams	60 grams	50 grams	18 grams
Water Holding Capacity	N/A	N/A	N/A	N/A	14 grams

## PORTABLE FILTER CART MEDIA (CARTRIDGES)

	36958	36960	36961	36959	36962
Filter Media	Cellulose	Cellulose	Cellulose	Micro-Glass	Cellulose
Filter Type	Particulate	Particulate	Particulate	Particulate	Water
Diameter	4.5"	4.5"	4.5"	4.5"	4.5"
Length	18"	18"	18"	18"	18"
Media ft <sup>2</sup>	20	20	20	10.5	N/A
Micron Rating	5	10	25	5	10
Beta Ratio	5 micron nominal	10 micron nominal	30 micron nominal	Beta 5 ≥ 200	-
Dirt Holding Capacity	1000 grams	1000 grams	900 grams	950 grams	N/A
Water Holding Capacity	N/A	N/A	N/A	N/A	1.1 to 2.4 liters*

\*Based on flow rate and viscosity