



Drum Pump Filtration System

Actively filtering lubricants from storage drums can prevent contamination related problems. Trico's Drum Pump Filtration System can prevent contamination or remove it when used in daily operations, including filtering oil directly from the storage drum to fill totes and transfer containers.

The Drum Pump Filtration System provides a dispensing nozzle for continuous flow and metering of lubricants, and a protective rubber nozzle cap to prevent contaminants from entering the nozzle when not in use. This system is capable of delivering a flow up to 7.25 gpm and is rated for use with lubricants up to a viscosity of 220 cSt, depending on motor selection. The Drum Pump Filtration System comes standard with a 10 micron absolute Beta>200 spin-on filter element and a sealing bung adapter. Differential pressure gauges help specify the filter element condition and the need for replacement.

The universal design of the Drum Pump Filtration System integrates a quick change hand wheel design, allowing the motor to be transferred from one Drum Pump Filtration System to another without buying additional motors or removing the entire apparatus. This follows industries best handling practices by avoiding cross contamination of different lubricant types, reduces further particle contamination and eliminates messy lubricant spills.



Features:

- Samples ports before and after filter head
- Larger filter for less frequent changes
- Dual-swivel ended hose for greater mobility and flexibility
- Higher GPM – delivers steady flow up to 7.25 GPM
- Transfer and dispense lubricants up to 220 cSt

Selection Chart:

P/N	Description
30035*	Drum Pump Filtration System with 6 ft Hose
30018	Electric Motor - 120 V / 60 Hz
30019	Pneumatic Motor
30021	Electric Motor - 220 V / 50 Hz

* - For longer hose lengths add -10 (10ft hose), -15 (15ft hose), or -20 (20ft hose).

Filter Selection Chart

	36972	36973	36974	36975	36995
Micron Rating	3	10	20	10	25
Filter Type	Particulate	Particulate	Particulate	Water	Water
Media Type	Synthetic Micro-Glass	Synthetic Micro-Glass	Synthetic Micro-Glass	N/A	N/A
Beta Ratio	Beta 3 ≥ 200 Absolute	Beta 10 ≥ 200 Absolute	Beta 20 ≥ 200 Absolute	10 Micron Nominal	Beta 25 ≥ 200 Absolute

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Motor Adapter

Allows for easy transfer of motor to other Drum Pump Filtration Systems

Differential Pressure Gauges

Indicates when elements need to be changed

Rubber Dust Cap

Prevents contaminants from entering the nozzle when not in use

Spin-On Filter

Standard with 10 micron absolute Beta >200 spin-on filter

Ground Lead

Prevents potential sparking and static build up between conductive equipment by hose grounding structures

Dispensing Nozzle

Provides continuous flow and safe lubricant transfer

Hose

Dual-swivel ended hydraulic hose for greater flexibility and mobility

Pump Tube

Capable of fitting 55-gallon drums



Sampling Ports

Two sampling ports available for oil sampling before and after filter (not shown in photo)

Bung Adapter

Includes sealing bung adapter (not shown in photo)

Specifications:

Tube Assembly for 55 Gallon Drums

Type	Seal-less/Centrifugal
Material	Stainless Steel 316
Tube Length	39"
Maximum Temperature	180°F (82°C)
Discharge Nozzle	1"
Discharge Line	1" Hydraulic Hose
Hose Line Length	6, 10', 15', or 20'
Filter Media	10 Micron Absolute Beta >200
Replace Filter Media	40 PSI Differential

Specifications:

Electric Motors

Motor	1.10 HP @ 10,000 RPM
Maximum Viscosity	220 cSt @ 40°C
Flow Rate (Max)	Up to 7.25 GPM*
Electric Motor Rating	110-120V 50/60 Hz, 8.5 A (30018) 220-240V 50/60 Hz (30021)

*Dependent on oil viscosity and temperature.

Specifications:

Pneumatic Motor

Motor	3/4 HP @ 8,000 RPM
Maximum Viscosity	220 cSt @ 40°C
Flow Rate (Max)	Up to 6 GPM*
Inlet Pressure	100 PSI max @ 28 CFM
Stall Pressure	50 PSI
Air Inlet Connection	1/4" NPT Female

*Dependent on oil viscosity and temperature.



Scan this QR Code to see a series of videos on installing and operating the Drum Pump Filtration System.