



# FCLCOT

## Turbine Oil Conditioning Filter Cart

A mobile solution that maintains turbine lube oil by removing water and particulate contamination that can cause corrosion, fluid breakdown, abrasive wear on components, additive precipitation, reduced lubricity, and dielectric strength loss.

Ideal for turbine lube oil, boiler feed pumps, compressors and others R&O applications.



[hyprofiltration.com/FCLCOT](http://hyprofiltration.com/FCLCOT)

## Filtration starts with the filter(s).

FCLCOT combines high efficiency single pass particulate and water removal to ensure that your turbine oil is always in spec, eliminating premature component failures and downtime. With particulate media options down to  $\beta_{2.5, \mu} > 1000$  and 100% synthetic coalesce/separator elements that remove all free and emulsified water down to 50 ppm, your turbines will be protected and running more efficiently than ever.

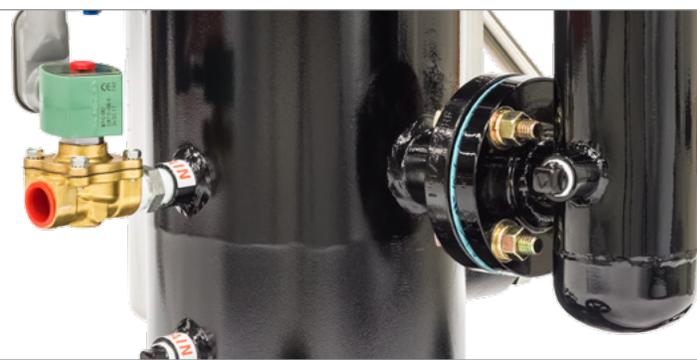


## Cleaner fluids: greater efficiency.

Water and particulate contamination in turbine oils can lead to decreased output efficiency, metal etching, fluid breakdown, and abrasive wear in hydraulic components among many other costly issues. With a single pass through the FCLCOT, you'll not only remove harmful contaminants but increase your uptime and promote the best environment for your turbine to operate efficiently.

## Never stops working.

Designed for 24/7 unattended operation, FCLCOTs with auto water drain technologies provide you with the safety and security to know your turbine oil is clean and dry even when you're off the clock.



## Unmatched on the move.

Non-shredding, never flat wheels and easy to maneuver cart design with ergonomic handle mean you get powerful filtration exactly when and where you need it.

## Setting the new standard.

Sampling and preventative maintenance are no longer optional, they're a necessity. That's why every FCLCOT comes standard with properly positioned sample ports to arm you with access to consistently accurate system conditions and letting you know exactly how well your filtration is performing.



## Completely customizable.

Whether you need the heavy duty off-road tires for greater mobility or add one of several inlet strainer options, each and every FCLCOT can be built specifically to suit your needs. And with options for both convenience and tailoring for specific applications, you'll be sure to get the perfect solution for all your contamination problems.



# FCLCOT Specifications

Dimensions <sup>1</sup>	<b>Height</b> 62" (158 cm)	<b>Width</b> 30.5" (77 cm)	<b>Depth</b> 29" (74 cm)	<b>Weight</b> 379 lbs (172 kg)
Connections	<b>Inlet</b> 1" male JIC	<b>Outlet</b> 1" male JIC	<b>Hoses</b> 1" x 10 ft (2.4 m)	
Element Configuration	<b>Particulate filter</b> HP75L8-3MV		<b>Coalesce/Separator Filter</b> HP538L38-CS3MV	
Seals	Fluorocarbon			
Operating Temperature	<b>Fluid Temperature</b> 80°F to 250°F (27°C to 121°C)		<b>Ambient Temperature</b> 40°F to 104°F (4°C to 40°C)	
Materials of Construction	<b>Housings</b> Carbon steel with industrial coating	<b>Hoses</b> Reinforced synthetic	<b>Wands</b> Stainless steel	
Electric Motor	TEFC, 56-145 frame 0.5 hp, 1450-1750 RPM			
Motor Starter	MSP (motor starter/protector) in an IP65, aluminum enclosure with short circuit and overload protection.			
Electric Connection	Voltages 230 V ac and under, single phase: 35' (11 m) retractable cord reel included. Power Option 12 includes NEMA 5-15 plug. Voltages over 230 V ac: 35' (11 m) power cord included.			
Pump	Cast iron, positive displacement gear pump with internal relief. Maximum pressure on pump inlet 15 psi (1 bar). Consult factory for higher pressures.			
Pump Bypass	Full bypass at 150 psi (10 bar)			
Pneumatic Option Air Consumption	~40 cfm @ 80 psi <sup>2</sup> 35' (11 m) retractable air hose included when pneumatic option selected. Replaces 35' (11m) electric cord reel.			
Media Description	<b>M</b> G8 Dualglass, our latest generation of DFE rated, high performance glass media for all hydraulic & lubrication fluids. $\beta_{x,C1} = 1000$ ( $\beta_x = 200$ )		<b>Coalesce/Separator</b> Coalesce: 100% synthetic fiber media Separator: TEFLON® coated screen (water barrier)	
Fluid Compatibility	Mineral based turbine oil, call factory for synthetic. Cannot be used with AW hydraulic oils or phosphate esters. For water removal in AW hydraulic oils and phosphate esters, see VUD (page 124).			
Hazardous Environment Options	Select pneumatic powered unit (Power Option 00) or explosion proof NEC Article 501, Class 1, Division 1, Group C+D. Call for IEC, Atex or other requirements. If Power Option X selected, no electrical cord or cord reel will be included.			

<sup>1</sup>Dimensions are approximations taken from base model and will vary according to options chosen.

<sup>2</sup>Air consumption values are estimated maximums and will vary with regulator setting. TEFLON® is a registered trademark of DuPont.

