



FilClean™ LHC

Well Built Lube & Hydraulic Oil Filter and Transfer Carts

Gear Boxes

Hydraulic Systems

Lube Oil Systems

TOUGH-WELL BUILT AMERICAN MADE OIL FILTER AND TRANSFER CARTS !

The MSC FilClean™ line of Lube and Hydraulic Filter Carts is built with our customers' needs, requirements and preferences in mind. MSC has been providing high quality customer centric solutions since 1962. These carts can be used with oils of 32 weight all the way up to 680 weight gear oils (flow and filter micron dependent) and come in three available models.

HD Heavy Duty Carts – For use in continuous duty aggressive outdoor or indoor wet environments. Good for outdoor system flushing carts and kidney loops and where heavy water spray can be present. Comes with a powdercoated steel frame, washdown duty baldor motor and a steel gear pump with 65 psid internal relief valve standard.

MD Medium Duty Carts – Is a more economical cart compared to our HD series. It has a steel epoxy painted frame, a TEFC Nema 4 110/220 electrical motor and aluminum gear pump with 65 psid internal relief valve standard.

X Series Hazardous Duty – For use in refineries, gas and chemical plants.

All of the MSC Line of Filter Carts are manufactured with high quality components and are designed to work with a variety of oils from light hydraulic oils to high viscosity gear oils. All carts can provide oil cleanliness ratings of below 15/14/12 depending on filter element and type chosen. Our standard hazardous duty electrical offering is class 1 group c & d.



FCLHC-MD-10-A-Dw-D7-RF



FCLHC-A-10-C-NF-D7 - AIR DRIVEN



FCLHC-MD-10-A-NF-D7-RPH

FilClean™ LHC Features

1. Well balanced design for easy portability.
2. Upstream oil sample valve standard!
3. Cart can be supplied with one or two filters with choice of water absorbing or 25 micron prefilter.
4. Filter plugged indicators standard.
5. Steel painted or powdercoated drip pan standard.
6. No flat tires standard.
7. Motor Up Design - prevents oil leaking into motor in the event of mechanical seal failure which can happen with motor down cart designs. Motors are 1/2 hp for 1 gpm and 1 hp for 4 & 10 gpm.
8. Variety of standard utility choices - Nema 4, hazardous duty and air driven. All Nema 4 comes with GFI protection on power cord.
9. All steel or stainless steel plumbing. No plastic hoses.
10. Choice of 1 gpm, 5 gpm or 10 gpm aluminum or steel gear pump with internal 65 psid relief valves standard.
11. A variety of standard adder choices including retractable power cords and others.
12. Choose your preferred filter supplier. Cart shown with Pall SRT filter housing. MSC D7 blue spinons standard.



FCLHC-	TABLE 1	TABLE 2	TABLE 3	TABLE 4	TABLE 5	TABLE 6
	DUTY	FLOW	VOLTAGE	PREFILTER	FINAL FILTER	ADDERS

Table 1: Duty

HD	Heavy Duty - Nema 4 *
MD	Medium Duty - Nema 4 **
X	Hazardous Duty - Class 1 Group C&D ***
A	Air Driven Pump ****
SD	Special Duty - Contact MSC with Specifications

* Powder Coated Frame, Steel Gear Pump, Washdown Motor Standard

** Painted Frame, Aluminum Gear Pump, TEFC Motor Standard

*** Powder Coated Frame, Steel Gear Pump, Class 1 Group C&D Electric Standard

**** Only available in 10 gpm flow rating. Variable speed air driven motor with aluminum gear pump standard. Variable flow 0-10 gpm. Filter lubricator, air regulator included.

Table 2: Flow

1	1 GPM - 1/2 HP 110/220 Motor Standard
4	4 GPM - 1 HP 110/220 Motor Standard
10	10 GPM - 1 HP 110/220 Motor Standard
SF	Special Custom Flow - Discuss With MSC

Table 3: Voltage

A	110 Volts Single Phase
B	220 Volts Single Phase
C	Air Driven - No Electric
SV	Special Custom Voltage - Discuss With MSC

FILCLEAN LHC PART NUMBER EXAMPLES

Example 1: 10 GPM - Medium Duty- 110V -No Prefilter - 7 Micron Spin On Final Filter -Options include Medium Duty Retractable Power Cord - 10 Ft Hoses - Wands.

PART NUMBER: FCLHC-MD-10-A-NF-D7-RPM-HS10-WD

Example 2: 4 GPM Hazardous Duty - 220V - Water Absorbing Prefilter - 7 Micron Spin On Final Filter - Options Include Quick Disconnects and 12 ft of 1" Hydraulic Hose.

PART NUMBER: FCLHC-X-4-B-DW-D7-HS12-QD

Table 4: Prefilter

NF	No Prefilter
DW	Water Absorbing Spin On Filter
D25	25 Micron Particulate Spin On Prefilter
SF	Customer Specified - Discuss MSC

Table 5: Final Filter-see note

D25	25 Micron Particulate Spin On Filter
D7	7 Micron Beta 2000 Spin On Filter
SF	Customer Specified - Discuss MSC

Table 6: Adders - see note

Blank	No Adders
RPM	Retractable Power Cord (Nema 4 Only) Medium Duty Plastic Housing
RPH	Retractable Power Cord (Nema 4 Only) Heavy Duty Steel Housing.
HS	1" Hydraulic Hose (Jic Swivel Ends) add required hose length to end of HS
QD	Hydraulic Quick Disconnects Inlet and Outlet instead of Male Jic.
WD	Stainless Hose Wands
SA	Special Custom Adder - Discuss MSC

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