



DONALDSON DELIVERS

Diesel filter cart for off-line filtration



The Donaldson diesel filter cart X770816 provides a convenient portable mode of off-line filtration, flushing and fluid transfer. Use it with your in-plant machinery and mobile equipment to achieve and maintain proper ISO cleanliness levels.

In-series pressure filter can provide fine particle removal and a water absorbing element to obtain particulate and water removal. The powerful 50 lpm pump provides efficient fluid transfer and filtration.

The Donaldson diesel filter cart is designed with performance, convenience and safety in mind. Its value added features make it the best choice to protect your machinery and equipment from breakdowns caused by contamination and water.

Diesel filter cart features

Features	Benefits
Rugged and durable frame	Enables long service life
High-efficiency media grades	Cost effective filtration
Two pressure filters	Two-stage filtration – Fine Particulate and/or Water
Safety relief valve	Prevents over pressurizing and damage to pump, hoses and filters
Overload protected switch	Prevents motor/pump from overheating

Applications

Filter new fluid	New fluids are usually above the recommended ISO cleanliness level.
Off-line filtration	Filter cart can be used to supplement existing filtration
Transferring fluid	Fluid is transferred from a storage container (tote, drum, tank, etc.) to a machine's reservoir
Water removal	Using Donaldson water removal elements can help remove free water from the system
Flushing after repairs and rebuilds	After machines are serviced or repaired they need to be flushed thoroughly before they are returned to service
Flushing during equipment commissioning	New machines have original fabrication debris and dirt that has ingressed during transport and storage



Differential pressure indicators

- Lets you know when to change elements

Two pressure filters

mounted in series

- Allows for particulate/water removal or coarse/fine particle removal

Removable angled drip tray

- Easy clean up, fluid will not leak out when tipped back



Dual electrical indicators with flashing on the dashboard + manometer for pump

- (to monitor filter performance and give servicing instructions)

Motor mounted inside

- Better balance
- Fluid will not drip on motor when changing filters
- Main pump protected by a cover

Overload protected switch

- Protects motor and pump from overheating

Integrated safety relief valve

- Protects against over pressurizing

Optional

- Anti-drain suction valve



Diesel filter cart specifications

Supply	220 V @ 50/60 Hz
Electric motor	Built-in thermal lockout
Electric cable	5 m
Maximum fluid viscosity	150 cSt
Flow rate	50 lpm
Maximum Pressure	5 bar (internal bypass)
Indicators	Dual electrical indicators with flashing on the dashboard + manometer for pump pressure
Suction hose	3 m
Discharge hose	4 m
Dirt filtration	P568666
Water adsorption	P570248
Optional	Suction anti-drain valve

Cart	Code	Media	Efficiency	Target	Description
Diesel filter cart X770816	P568666	DERT	$\beta @ 4 \mu\text{m} (c) > 2000$	14/13/11	Specific multi-layer media for Diesel Fuel
	P570248	SAP	95%	150PPM	Cellulose media with adsorbing polymer



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