



**CLEANER FUEL,  
LONGER ENGINE LIFE**

**ENGINEERING YOUR SUCCESS.**

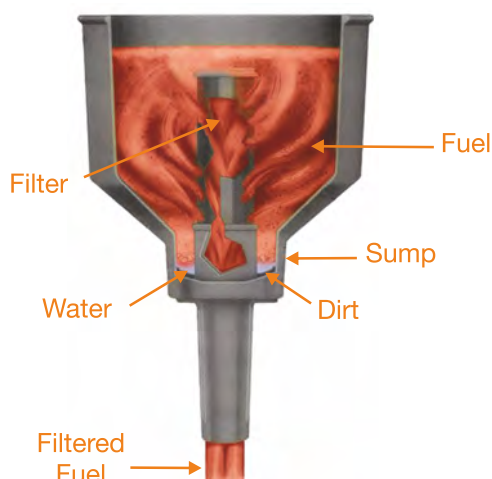
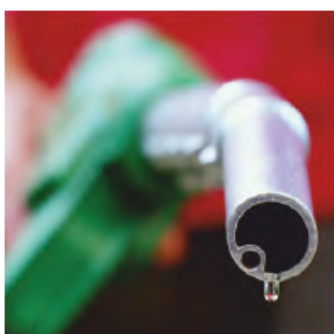
# **FUNNEL FUEL FILTERS**

The Cummins Funnel Fuel Filter family is a new heavy - duty, fast-flow, filter-in a-funnel that separates damaging free water and contaminants from gasoline, diesel, heating oil, and kerosene.

Cummins Funnel Fuel Filters are capable of removing free water and solids down to 0.003 inch and allows you to visually inspect the integrity of your fuel supply as you refuel.

Dirt and water are practically unavoidable in stored fuel, causing microbial growth, corrosive acids, electrolysis, and rust. These contaminants can plug filters, corrode components, decrease efficient combustion, and can cause engine shutdown or system failure.

Great for Diesel Generator sets, Earthmovers, Excavators, Off-highway equipment etc. Cummins Funnel Fuel Filters are for people who need clean dry fuel on the go.



## **Product Features**

- 1** Rugged Construction
- 2** PTFE Coated Stainless Steel Filter
- 3** Four Sizes, Four Flow Rates
- 4** Electro-Conductive Plastic Material
- 5** Corrosion Resistant
- 6** Self Cleaning
- 7** No Parts To Replace

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Specifications	AX1015645	AX1015646	AX1015647	AX1015648
Max. Flow Rate	2.5 GPM (9.4 LPM)	3.5 GPM (13.2 LPM)	5 GPM (18.9 LPM)	12 GPM (56.8 LPM)
Micron Rating	50 micron	50 micron	50 micron	50 micron
Height	6.0 in. (15.2 cm)	9.0 in. (22.9 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)
Diameter	3.5 in. (8.9 cm)	5.5 in. (14.0 cm)	8.5 in. (21.6 cm)	8.5 in. (21.6 cm)
Weight	0.2 lb (0.09 kg)	0.3 lb (0.14 kg)	0.6 lb (0.27 kg)	1.0 lb (0.45 kg)

## How They Work

The Cummins Funnel Fuel Filter comes complete with a built-in DuPont Teflon® PTFE (polytetrafluoroethylene) coated stainless steel screen filter. As fuel is being filtered, free water and contaminants collect on the bottom. Because water is heavier than fuel, free water will settle to the bottom. When you have a substantial amount of water (approximately 1 cup), dispose of it properly and resume refueling.

When properly used, the filter will separate free water from hydrocarbon fuels. Free water is a collection of water molecules in the bottom of fuel cans, tanks, or drums, formed when fuel is stored for even short periods of time. The free water formation is due to condensation in the air and / or separation of water molecules from fuel.

Water may be present in hydrocarbon fuels as free water or as an emulsion, small droplets of water suspended in fuel. Water may be emulsified in fuel by vibration or by emulsifying additives such as alcohol, or detergents.

The Cummins Funnel Fuel Filter will not remove emulsified water.

Instead, install a Cummins standard fuel filter / water separator to remove emulsified water from your fuel delivery or engine fuel system.

Excessive filling will cause pressure and can force water through the funnels filter. If funnel filter is more than 1/3 covered with water and flow rate begins to slow, stop fueling immediately, properly dispose of water and contaminants from the funnel, then continue fueling.

2-cycle oil contains detergents, which may allow some water to pass through the filter screen. The only safe way to filter out water is to add the 2-cycle oil to the tank after filtering the fuel through the funnel. Additives containing alcohol can emulsify and bind water to fuel. The filter cannot remove this bound water. Add additives after fueling.

Do not attempt to remove the filter from the funnel, filter is permanently attached to the funnel.

The Cummins Funnel Fuel Filter is designed to work with fuels only. CAUTION! Do not use the Cummins Funnel Fuel Filter for anything but filtering fuels, other liquids may compromise the effectiveness of the filter.

Another purpose for using a Cummins Funnel Fuel Filter is to facilitate the inspection of fuel for contamination in the form of solids (down to 0.003 inch) and free water. Don't forget to check the fuel filter sump for water. If water or contamination are found, dispose of properly.

To test the Cummins Funnel Fuel Filter, simply fill with water, roughly 1/3 the way up the screen. This amount of water should not pass through the Teflon® coated filter screen. Keep this amount in mind when using the Cummins Funnel Fuel Filter knowing that the head pressure caused by the weight of more than this may cause water to pass through the screen.

Always dispose of water, contaminants, of dirty fuel in a proper manner.

Periodically inspect the funnel for physical damage. Store the funnel properly.



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