Today’s modern diesel engines and fuel systems face many challenges. Ongoing government emission regulations continue to drive the performance of engines and fuel systems. Consequently, the role Fuel Water Separators (FWS) play in the filtration process is more important than ever. Each FWS should be carefully tailored to specific equipment and contamination problems, and close attention must be devoted to system maintenance.

Factors such as filtration efficiency, emulsified water separation, free water separation, size, mounting location, and environmental parameters greatly narrow the possible filtration alternatives when choosing a system for a particular application. Specific information such as system flow rate, desired service life, anticipated housing pressure, acceptable restriction, and customer needs help further define the choice of FWS.

Cummins Filtration’s unique Seeing is Believing® filter cover technology allows you to visually identify when the filter needs changing. When the EleMax™ filter is new, the fuel level is low, as it is used; the fuel level rises to show how much filter life remains. You know when NOT to change your Fuel Pro® or Diesel Pro® filter thus reducing filtration costs, and maintenance costs, and much more.

FWS can be used with conventional Diesel fuel, JP-5, JP-8, and Jet-A fuel. Available single housing units are rated for fuel flows up to 200 GPH (757 LPH), 180 GPH (681 LPH), 90 GPH (341 LPH), and 60 GPH (230 LPH) providing best-in-class filtration and fuel/water separation.

Cummins Filtration’s remote mount diesel fuel system:
- Indicates when the filter life has been optimised
- Extends the fuel filter life up to three times more than a standard filter
- Provides a clear, easy to see, visual of the remaining fuel filter life
- Provides a visual of the fuel condition and flow
Diesel Pro FH236 Series - Medium Duty

The Fleetguard FH236 series, rated for diesel fuel flow up to 90 GPH (341 LPH), is intended for medium duty diesel engines used in highway, construction, agricultural, mobile or stationary applications. The Diesel Pro is available in a number of variations which include optional pre-heaters (12V DC, 24V DC, or 120V AC), assuring that cold weather start is never a problem. It combines EleMax filter technology and multi-layered Stratapore™ media making it the best fuel filtration system on the market today.

EleMax - Filter Cartridge Technology

The EleMax filter element features Fleetguard’s Stratapore multi-layer media technology which offers maximum strength and durability, improved efficiency and up to three times longer life, superior fuel/water separation, reduced restriction to flow, and longer service intervals. It is available on all Fleetguard FWS. The same elements can fit on the FH234, FH230 and FH236 series eliminating extra, unnecessary filters.

Fleetguard Pro series filters can be fitted as the only fuel filter on a vehicle or they can be added to supplement the existing fuel system and extend protection and reliability.

Diesel Pro FH235 Series - Medium Duty

The Fleetguard FH235 series, rated for diesel fuel flow up to 60 GPH (230 LPH), is best used with mid-range engines and refrigerated trailers. The Diesel Pro is available in a number of variations which include the standard non-heated options pre-heaters (12V DC, 24V DC, or 120V AC), assuring that cold weather start is never a problem. The use of multi-layered Stratapore media enables the FH235 series to provide the best fuel filtration system on the market today.

As time progresses, more original equipment manufacturers are specifying FWS on their diesel engines. Many have added items such as Water-In-Fuel (WIF) sensors or heaters and utilise technology such as Seeing Is Believing and EleMax. These requests reflect the growing recognition of the need for additional fuel/water separation and additional efficiency to protect these complicated fuel systems.