

Fleetguard®



**NEXT GENERATION!
MORE PERFORMANCE IN LESS SPACE!**

FH235 & FH236 Series Diesel Pro® Fuel Systems

Your All-in-One Solution for Real World Protection



50% of all Fuel is not clean enough!

Fuel contamination can lead to costly repairs and engine downtime in modern diesel engines.

More than 50% of fuel used worldwide does not meet the ISO 4406 18/16/13 (2,500 particles /1ml @ 4µm[®]) fuel cleanliness standard. Fuel injection system suppliers today require that fuel entering the fuel injection system meets ISO 12/9/6 cleanliness standard. Dirt and contaminant removal and effective fuel/water separation with high quality filtration reduces component wear and creates optimized fuel atomization and engine power.

Highest Performing

- up to 3 x longer filter life than standard filters
- up to 7 x better fuel/water separation for emulsified water than competitive products
- Meets ASTM D6751, EN 14214 Biodiesel standards and OE efficiency requirements

Even more Compact

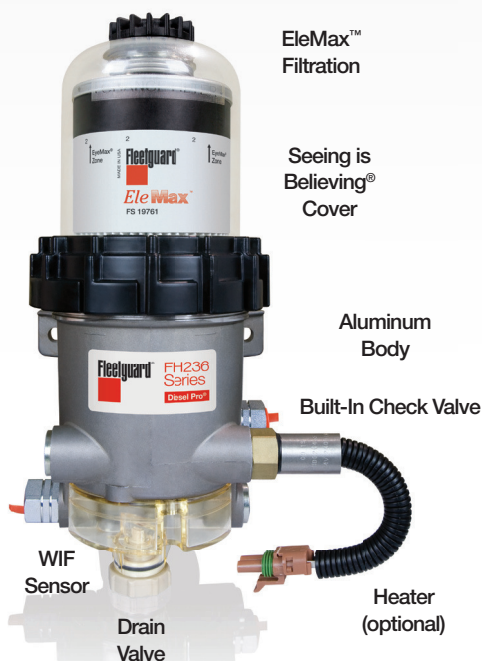
- Reduced height (FH235 by 83.5mm ; FH236 by 89mm)
- Service Clearance height reduced by 51mm
- New, long version (FH236) with EleMax element providing greater flow & longer life in less space

Easiest to Maintain

- Clear Cover shows when NOT to change the filter
- Quick, Easy and Clean Filter Change
- Built-in check valve eliminates loss of fuel prime when draining/changing the filter

Most Versatile

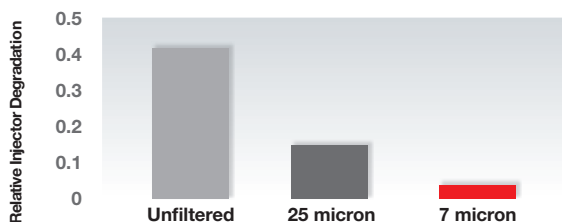
- Multiple Configurations and Options
 - Reversible port locations for ease of installation
 - Heater, WIF Sensor and/or Filter Change Indicator
- Systems & Filters suitable for various Applications and Markets



Added Value.

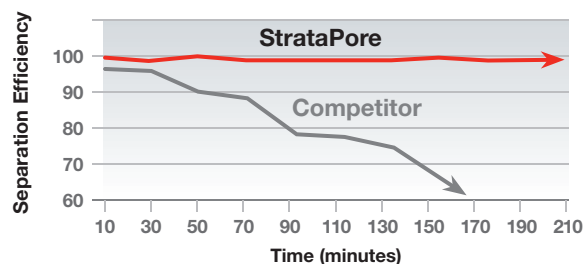
All-In-One Fuel Filter, Water Separator and Fuel Heater

Filtration Effects on Injector Degradation



Fine filtration significantly reduces injector wear

Fuel/Water Separation Efficiency



- StrataPore maintains >95% fuel/water separation over the life of the filter element
- Best emulsified water removal available
- Holds approximately 3.5x more contaminant than comparative cellulose filters
- Supports the use of Bio Fuels

Housings Available

Housing Part Number *	Filter Element **	Micron Rating	Pre-Heater	WIF	Fuel Flow	Fuel In/Out Port Size
Diesel Pro® FH236 - Fuel Flow Rate 341 l/hr - <u>WITH</u> 'Seeing is Believing' feature						
FH23606 M	FS19785	25	24V/250W	Yes	In R / Out L	M16 x 1.5
FH23616 M	FS19624	7	No	Yes	In R / Out L	M16 x 1.5
FH23621 M	FS19624	7	12V/250W	Yes	In R / Out L	M16 x 1.5
FH23622 M	FS19624	7	24V/250W	Yes	In R / Out L	M16 x 1.5

* M = Metric version.

** Other filter options at different micron ratings are available (FS19728: 25 Micron; FS19727: 10 Micron; FS19761 2 Micron)

Priming pump (for Euro VI applications) available as option (397920200 S).

Compatible for use with Diesel #1, Diesel #2, Kerosene, Biodiesel (B100) and Jetfuel (JP8). Diesel Pro units are suitable for use in a Bio Diesel environment. To make your Diesel Pro unit Bio Diesel compatible, order the 'Bio Diesel Gasket pack' and use in conjunction with your EleMax filter element each time you replace it. Specifications subject to change without notice.

Housing Part Number *	Filter Element **	Micron Rating	Pre-Heater	WIF	Fuel Flow	Fuel In/Out Port Size
Diesel Pro® FH235 - Fuel Flow Rate 230 l/hr - <u>WITHOUT</u> 'Seeing is Believing' feature						
FH23504 M	FS19785	25	24V/150W	Yes	In R / Out L	M16 x 1.5
FH23509 M	FS19731	10	No	Yes	In R / Out L	M16 x 1.5

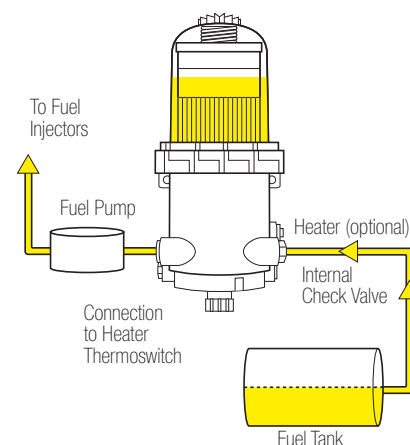
Note: FH235 units are only available upon demand. Specifications subject to change without notice.

Specifications

Specification	FH 235* Diesel Pro®	FH 236 Diesel Pro®
Height Overall	273,1 mm (10.75")	330,2 mm (13.0")
Depth Overall	147,3 mm (5.8")	147,3 mm (5.8")
Width, max	158 mm (6.22")	158 mm (6.22")
Mount Bracket Centers	133,4 mm (5.25")	133,4 mm (5.25")
Weight (Dry)	2,27 kg (5 lbs)	2,27 kg (5 lbs)
Fuel Connection (Inlet)	M16 x 1.5 (7/8" NPTF)	M16 x 1.5 (7/8" NPTF)
Fuel Connection (Outlet)	M16 x 1.5 (7/8" NPTF)	M16 x 1.5 (7/8" NPTF)
Fuel Capacity (w/o filter)	2.08 l (tbd fl oz)	2.08 l (15.2 fl oz)
Operation Fuel Flow Rate	230 l/hr (60 gal/hr*)	341 l/hr (90 gal/hr*)
Recommended Applications	Light & Medium Duty Engines	Light & Medium Duty Engines
Water Trap Capacity	0.237 l (15.2 fl oz)	0.237 l (15.2 fl oz)
Filter Service Clearance	38,1 mm (Min. 1.5")	38,1 mm (Min. 1.5")
Electrical Heater	12 VDC, 250 W, < 20.6 A 24 VDC, 250 W, 10.5 A ± 2.5 A	12 VDC, 250 W, < 20.6 A 24 VDC, 250 W, 10.5 A ± 2.5 A
Bio Diesel Gasket Pack ¹	3950444S	3950444S

* gal = US gallon.

Typical Installation



For more information, visit cumminsfiltration.com



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