



SNIJDER HASSELT

HYDRAULIEK & FILTERTECHNIEK

FUELMANAGER

Deisel Fuel Filter/Water Separator

Diesel Applications Brochure



ENGINEERING YOUR SUCCESS.



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FOR EVERY DIESEL ENGINE, EVERY DIESEL APPLICATION

The fuel filtration and water separation needs of today's new generation diesel fuel systems demand extremely high efficiency, flexibility, multiple functions and ease of use with no risk of fuel spills or contaminated parts.

Our patented Fuel Manager® range of combination fuel filter/water separators meets these demanding requirements, and Fuel Manager systems have been specified as original equipment by over 60 different manufacturers, and are used on hundreds of different machines powered by diesel engines.

Available for light, medium and heavy duty trucks; and agricultural, industrial, construction and marine applications, there is a Fuel Manager Series to meet any condition.



FM100

The FM10 Series is designed for diesel engines with a fuel flow rate up to 50 US gallons/hr (190 liters/hr). Typical engines range from 10 to 200 HP. The FM 10 Series consists of a moulded engineered plastic mounting header with a choice of different filter elements, which "twist on" using a patented feature. This ensures only the correct, genuine service element can be installed on the header, and assures the user that the engine is properly protected from contaminated fuel.



FM10

The FM100 Series is designed for diesel engines with a fuel flow rate up to 80 US gallons/hr (300 liters/hr). Typical engines range from 50 to 350 HP.

The FM 100 Series consists of a cast aluminium mounting header, with a choice of threaded ports of almost any configuration up to M16 x 1.5 'O' ring in size. "Push-in" quick fit connectors can also be specified, making fuel line connections easy, quick, and less costly. The filter elements interface with the header using a patented "Key Track" system, which, like the FM 10 Series, is designed to ensure that only the correct, genuine service element can be installed on the header.

The FM1000 Series is designed for diesel engines with a fuel flow rate up to 180 US gallons/hr (680 liters/hr). Typical engines range from 200 to 600 HP. The FM 1000 Series is similar to its smaller cousin, the FM 100 Series. It consists of a cast aluminium mounting header, with a choice of threaded ports up to M22x 1.5 'O' ring in size. The filter elements interface with the header using the same patented "Key Track" system as the FM 100 Series.

All Fuel Manager Series units are designed to offer maximum flexibility and ease of use.

All meet the most demanding technical specifications of every major fuel injection equipment manufacturer in the world.



DIESEL FUEL

Filters/Water Separators.

Requirements/Feature	FM10 Series	FM100 Series	FM1000 Series
			

Typical Application	Any Diesel powered vehicle or equipment		
Typical Engine Size (HP)	Up to about 200 HP	Up to about 350 HP	Up to about 600 HP
Max Fuel Flow (inc. return flow)	50 US gals/hr. (190 liters/hr.)	80 US gals/hr. (300 liters/hr.)	180 US gals/hr. (680 liters/hr.)
Engine Mounted	OK	OK	OK
Chassis Mounted	OK	OK	OK
Operating Temperature	-40°F to +250°F (-40°C to +121°C)		
Suction/Vacuum	OK	OK	OK
Typical Pressure Drop (Across clean filter)	0.8 psi (5kPa) at 45 US gals/hr. (170 liters/hr.)		
Maximum Operating Pressure (without transparent water bowl)	Up to 30 psi (200 kPa)	Up to 60 psi (413 kPa)	Up to 100psi (688 kPa)
Particulate Filter	Efficiency up to 99% @2 microns (TR13353)		
Water Separation	All Stanadyne filters use specially treated hydrophobic media to remove water. Up to 98% efficiency.		
Air Removal	Several options to automatically bleed air back to fuel tank.		
Pre-filter Media Micron Rating	Choice of 150, 30, or 10 microns		
Final filter Media Micron Rating	Choice of 5 or 2-microns		
Mounting Header	Moulded engineered plastic	Cast aluminum	Cast aluminum
“Key Track System”	Standard on all FM10, FM100 & FM1000 Series Ensures only correct service element can be installed on taller header		
Fuel Line Connection Options	Moulded plastic hose barb or latch bead	Optional screw or metal hose barb/latch	Optional screw or metal hose barb/latch
Overall Installation Dimensions	Width = 95mm Depth = 101mm Height = 150mm (smallest) 230mm (largest)	Width = 101mm Depth = 105mm Height = 162mm (smallest) 243mm (largest)	Width = 187mm Depth = 155mm Height = 224mm (smallest) 326mm (largest)

OPTIONAL MODULES

	FM10 Series	FM100 Series	FM1000 Series
			
See-through Water Collection Bowl	Re-usable See-through Enables easy visual check Adds 70ml extra water	Bowl for FM10 & FM100 Enables easy visual check of water to be drained.	Larger See-Through Bowl for FM1000 Enables easy visual check of water to be drained. Adds 350ml extra water storage capacity
Electronic Water-in-Fuel Sensor	Available for FM10, FM100 & FM1000 Series. Choice of 12 volts or 24 volts. Choice of electronic signal type. “Active”, completely self-contained kit including warning light to indicate need to drain water. Can either be OEM installed or retrofitted. Choice of electrical connectors available. Alternative “passive” version where electronic signal is controlled by engine or vehicle ECU to provide warning. Choice of electrical connectors available		
Hand Priming Pump	Available for FM10, FM100 & FM1000 Series Enables easy purging of air when initial priming or at time of filter element change.		
Electric Transfer/Lift Pump	Not available	12 volts. 4 Amps. Max flow up to 60 US gals/hr. (230 liters/hr.) Note: Must be configured to ensure fuel is filtered before pump to protect from debris. Uses special filter elements	Not available
Electric Fuel Heater Choice of “Top Load” or “Side Load”	Not available	Choice of 12 volts or 24 volts 100 or 150 watts Built-in thermostatic switch	12 volts 200 or 300 watts Built-in thermostatic switch
Thermal Diverter Valve Heater	Special mounting header design is available for FM10 & FM100. Filter “tees” into return line and uses hot fuel to prevent waxing of fuel in filter. Also enables automatic air purging back to tank.		
Filter Change Indicator	Available for FM10, FM100 & FM1000 Series. Mechanical visual indicator, or electrical sensor switch indicates filter element needs changing		

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