



FM 10 Series, FM 100 Series & FM 1000 Series Diesel Fuel Filter/Water Separator Systems

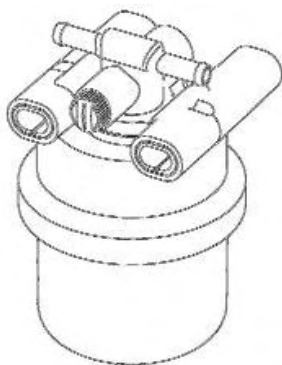
99717-B - PARTS DESCRIPTION - August 1st 2007

- Notes: 1. **All** Stanadyne Fuel Manager Diesel Fuel Filter/Water Separator Systems remove both particulates AND water. It is very important to **DRAIN WATER REGULARLY**. Even if a see-through water collection/storage bowl is not present, the filter/separator is removing water, and must be drained regularly.
2. All Fuel Manager Diesel Fuel Filter/Water Separator units can be installed on the suction side **OR** the low pressure side of the fuel transfer pump.
3. All Fuel Manager **FM 10 Series** Diesel Fuel Filter/Water Separator Systems (See Section 1) are suitable for any diesel engine or equipment with **fuel flows of up to 50 US galls/hr.** (190 liters/hr). This is equivalent to approx. 200 HP.
4. All Fuel Manager **FM 100 Series** Diesel Fuel Filter/Water Separator Systems (See Section 2) are suitable for any diesel engine or equipment with **fuel flows of up to 80 US galls/hr.** (300 liters/hr) with 3/8" ports. This is equivalent to approx. 350 HP.
5. All Fuel Manager **FM 1000 Series** Diesel Fuel Filter/Water Separator Systems (See Section 3) are suitable for any diesel engine or equipment with **fuel flows of up to 180 US galls/hr.** (680 liters/hr). This is equivalent to approximately 600 HP.
6. For further information, refer to Brochure 99889.

Updated August 6th 2007

Discount Code W

Part No.	Description	Pkg. Qty.
Section 1 - FM 10 Series filter/separators for diesel engines from 10 - 200HP (Total fuel flow up to 50 US GPH or 190 liters/hr). On or off-road applications		



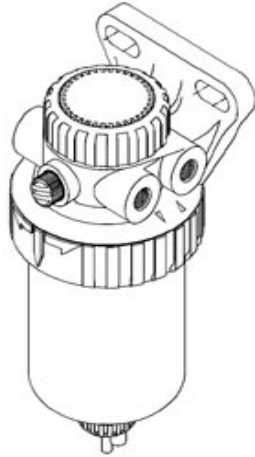
FM 10 Complete Assembly
 - mounting header
 - filter element
 (Complete Assy 36691 illustrated)



Part No.	Description	Pkg. Qty.	
Section 1.1 - FM 10 Series Complete Ready-Assembled Filter/Separator Units			
36691	Final Filter Assy with 8mm "Hose Barb" stubs to connect to flexible fuel lines, & 2.8" 5-micron element (36682)	1	
37865	Final Filter Assy with 8mm "Hose Barb" stubs, & 2.8" 5-micron element (36682) & see-through bowl (29899)	1	
36996	Final Filter Assy with 8mm "Hose Barb" stubs to connect to flexible fuel lines, & 4.3" 5-micron element (35746)	1	
Section 1.2 - FM 10 Series Service Elements			
5 micron Final Filter/Water Separator Normal Flow (Orange Logo) Replacement Elements			
36682	5-micron Final Filter Water Separator Element - 2.8" nominal length	12	
35746	5-micron Final Filter Water Separator Element - 4.3" nominal length	12	
5 micron Reverse Flow (Black Logo) Final Filter/Water Separator Elements.			
36995	5-micron Reverse Flow Final Filter Water Separator Element - 5.1" nominal length	12	
38640	5-micron Reverse Flow Final Filter Water Separator Element - 6.0" nominal length	12	
2 micron Reverse Flow (Black Logo) Final Filter/Water Separator Elements.			
36994	2-micron Reverse Flow Final Filter Water Separator Element - 6.0" nominal length	12	

Part No.	Description	Pkg. Qty.
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**Section 2 - FM 100 Series filter/separators for diesel engines up to 350HP.
(Total fuel flow up to 80 US GPH or 300 liters/hr). On or off-road applications**



FM 100 Complete Assembly
- mounting header
- filter element

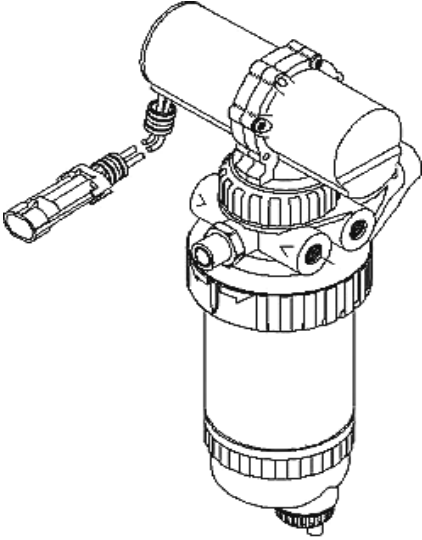


Section 2.1 - FM 100 Series Complete Ready-Assembled Filter/Separator Units.

35599	Pre-filter Assy. with 3/8" NPTF ports & 4.3" 150-micron element (31649)	1
33640	Pre-filter Assy. with 3/8" NPTF ports, 3.6" 150-micron element (33169) & see-thru bowl (29899)	1
33641	Pre-filter Assembly with 3/8" NPTF ports & 4.3" 30-micron element (31865)	1
33642	Final filter Assembly with 3/8" NPTF ports & 4.3" 5-micron element (31873)	1
33816	Pre-filter Assy. with 1/4" NPTF ports, 4.3" 30-micron element (31865) & see-thru bowl (29899)	1
34817	Pre-filter Assy. with M12 x 1.5 'O' ring ports, 3.6" 150-micron element (33169) & see-thru bowl (29899)	1
34818	Pre-filter Assy. with M14 x 1.5 'O' ring ports, 3.6" 150-micron element (33169) & see-thru bowl (29899)	1
34819	Pre-filter Assembly with M12 x 1.5 'O' ring ports & 4.3" 30-micron element (31865)	1
34820	Pre-filter Assembly with M14 x 1.5 'O' ring ports & 4.3" 30-micron element (31865)	1
34821	Final filter Assembly with M12 x 1.5 'O' ring ports & 4.3" 5-micron element (31873)	1
34822	Final filter Assembly with M14 x 1.5 'O' ring ports & 4.3" 5-micron element (31873)	1
35726	Final filter Assembly with 1/4" NPTF ports & 2.8" 5-micron element (33168) and see-thru bowl (29899)	1
36694	Final filter Assembly with 1/4" NPTF ports & 2.8" 2-micron element (36693)	1
38630	Final filter Assembly with 1/4" NPTF ports & 2.8" 5-micron element (33168) and Hand Primer (29578)	1

Section 2.2 - FM 100 Series Complete MARINE filter/separator assemblies, with special extra corrosion protection.

33643	Pre-filter Assy. with 3/8" NPT ports & 4.3" 150-micron-marine element (32200) & marine drain	1
33644	Pre-filter Assy. with 3/8" NPT ports & 4.3" 30-micron marine element (32177) & marine drain	1
33645	Final filter Assy. with 3/8" NPT ports & 4.3" 5-micron marine element (32178) & marine drain	1

Part No.	Description	Pkg. Qty.
Section 2.3 - FM 100 Electric Lift Pump/Filter Complete Assy. For constant use. "Reverse Flow" configuration.		
<p>~ Unique REVERSE FLOW mounting header. Check arrows for correct inlet/outlet flow directions.</p> <p>~ Must only be used with REVERSE FLOW replacement elements, with BLACK logo. (See Section 2.6).</p> <p>~ Can be used as FINAL filter/separator unit using 5-micron or 2-micron reverse flow element, or as PRE-filter/separator unit, using 30-micron or 10-micron reverse flow element. Do not use 150-micron element.</p> <p>~ If used as the only (FINAL) filter, it must have 5-micron (or 2-micron) reverse flow element. Can also be used in combination with any pre-filter/water separator assembly "upstream".</p> <p>~ If used as a PRE-filter unit, there must be a FINAL (5-micron or 2-micron) filter downstream.</p> <p>~ This lift pump/filter/separator is available as a complete unit only.</p> <p>~ The Lift Pump module is NOT available as separate service module, and the electric lift pump must NOT be installed on any other header.</p> <p>~ This Lift Pump unit (33945) is NOT a direct replacement for any similar OEM lift pump/filter assembly supplied by Stanadyne. This is because each OEM unit is uniquely calibrated/specified for a particular installation/application. If an OEM lift pump unit fails, it should be replaced with the same OEM part number (only available from the appropriate authorized OEM dealer).</p> <p>~ This unit (33945) is designed to be used as a retro-fitted assembly on applications where a DIFFERENT type of lift pump has been used, or where there is currently NO electric pump, and an upgraded system is desired.</p> <p>~ In the event of a failure of 33945, the complete unit (33945) must be replaced.</p> <div style="text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>FM 100 Lift Pump Assy 33945</p> <ul style="list-style-type: none"> - mounting header - electric lift pump - reverse flow final element 33959 - see-through water bowl </div>		
33945	Complete final filter/water separator assy with see-through water bowl and constant running electric lift pump.	1
<p>~ Black "E" coated reverse flow header with 1/4" ports & special arrows showing flow direction</p> <p>~ 4.3", 5-micron reverse flow Final Filter/Water Separator element (33959) with black logo</p> <p>~ See-through bowl (29889) for easy visual inspection and storage of water.</p> <p>~ 12 volt electric lift pump with integral pressure regulator set for approximately 10 psi. (Should not be used with 24V, unless with correct voltage reducer)</p> <p>~ The pump has a weather-proof electrical connector & a mating harness with approx. 5 feet of wiring for connection to switched 12 volt supply.</p> <p>~ See section 2.6 for service element part numbers and descriptions.</p>		

Part No.	Description	Pkg. Qty.
Section 2.4 deleted		
Section 2.5 - FM 100 Series <u>NORMAL FLOW</u> (conventional) Replacement Elements for Normal Flow assemblies. (Branded FUEL MANAGER in red)		
150-micron Pre-Filter/Water Separator Normal Flow (Red Logo) Replacement Elements		
33169	150-micron Pre-filter Water Separator Element - 3.6" nominal length	12
31649	150-micron Pre-filter Water Separator Element - 4.3" nominal length	12
31648	150-micron Pre-filter Water Separator Element - 6.0" nominal length	12
30-micron Pre-Filter/Water Separator Normal Flow (Red Logo) Replacement Elements		
31863	30-micron Pre-filter Water Separator Element - 3.6" nominal length	12
31865	30-micron Pre-filter Water Separator Element - 4.3" nominal length	12
31867	30-micron Pre-filter Water Separator Element - 5.1" nominal length	12
31869	30-micron Pre-filter Water Separator Element - 6.0" nominal length	12
"Generation III Enhanced Retention System" 30 micron Pre-Filter/Water Separator Normal Flow (Red "ERS" Logo) Replacement		
37079	30-micron, Gen III Pre-filter Water Separator Element - 3.6" nominal length	12
36810	30-micron, Gen III Pre-filter Water Separator Element - 4.3" nominal length	12
5-micron Final Filter/Water Separator Normal Flow (Red Logo) Replacement Elements		
33168	5-micron Final Filter Water Separator Element - 2.8" nominal length	12
31871	5-micron Final Filter Water Separator Element - 3.6" nominal length	12
31873	5-micron Final Filter Water Separator Element - 4.3" nominal length	12
31875	5-micron Final Filter Water Separator Element - 5.1" nominal length	12
31877	5-micron Final Filter Water Separator Element - 6.0" nominal length	12
"Generation III Enhanced Retention System" 5-micron Pre-Filter/Water Separator Normal Flow (Red "ERS" Logo) Replacement		
37290	5-micron Gen III Final Filter Water Separator Element - 2.8" nominal length	12
37292	5-micron Gen III Final Filter Water Separator Element - 4.3" nominal length	12
37299	5-micron Gen III Final Filter Water Separator Element - 6.0" nominal length	12
2-micron Final Filter/Water Separator Normal flow (Red Logo) Replacement Elements		
36693	2-micron Final Filter Water Separator Element - 2.8" nominal length	12
35614	2-micron Final Filter Water Separator Element - 4.3" nominal length	12
35612	2-micron Final Filter Water Separator Element - 6.0" nominal length	12
"Generation III Enhanced Retention System" 2-micron Pre-Filter/Water Separator Normal Flow (Red "ERS" Logo) Replacement		
39187	2-micron Gen III Final Filter Water Separator Element - 4.3" nominal length	12
37297	2-micron Gen III Final Filter Water Separator Element - 6.0" nominal length	12

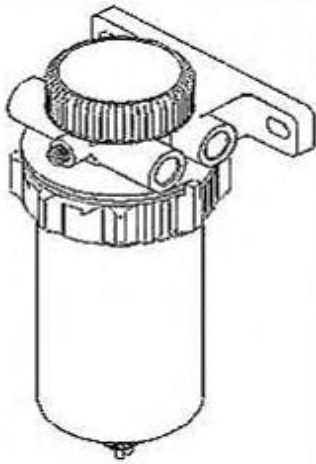
Part No.	Description	Pkg. Qty.
Section 2.6 - FM 100 Series <u>REVERSE FLOW</u> Replacement Elements for Electric Pump/Filter Assys and certain other OEM applications (See X-ref table 99642). Special Reverse Flow configuration (Branded FUEL MANAGER in black)		
<i>150-micron Reverse Flow (Black Logo) Pre-Filter/Water Separator Elements</i>		
33962	150-micron Reverse Flow Pre-Filter Water Separator Element - 3.6" nominal length	12
33963	150-micron Reverse Flow Pre-Filter Water Separator Element - 4.3" nominal length	12
33965	150-micron Reverse Flow Pre-Filter Water Separator Element - 6.0" nominal length	12
<i>30-micron Reverse Flow (Black Logo) Pre-Filter/Water Separator Elements.</i>		
34878	30-micron Reverse Flow Pre-Filter Water Separator Element - 3.6" nominal length	12
35014	30-micron Reverse Flow Pre-Filter Water Separator Element - 4.3" nominal length	12
35632	30-micron Reverse Flow Pre-Filter Water Separator Element - 5.1" nominal length	12
35634	30-micron Reverse Flow Pre-Filter Water Separator Element - 6.0" nominal length	12
<i>"Generation III Enhanced Retention System" 30-micron Pre-Filter/Water Separator Reverse Flow (Black "ERS" Logo) Replacement</i>		
37294	30-micron Gen III Reverse Flow Pre-Filter Water Separator Element - 4.3" nominal length	12
37296	30-micron Gen III Reverse Flow Pre-Filter Water Separator Element - 5.1" nominal length	12
37302	30-micron Gen III Reverse Flow Pre-Filter Water Separator Element - 6.0" nominal length	12
<i>10-micron Reverse Flow (Black Logo) Pre-Filter/Water Separator Elements.</i>		
37258	10-micron Reverse Flow Pre-Filter Water Separator Element - 4.3" nominal length	12
37255	10-micron Reverse Flow Pre-Filter Water Separator Element - 6.0" nominal length	12
<i>"Generation III Enhanced Retention System" 10-micron Pre-Filter/Water Separator Reverse Flow (Black "ERS" Logo) Replacement</i>		
37300	10-micron Gen III Reverse Flow Pre-Filter Water Separator Element - 6.0" nominal length	12
<i>5-micron Reverse Flow (Black Logo) Final Filter/Water Separator Elements.</i>		
33958	5-micron Reverse Flow Final Filter Water Separator Element - 3.6" nominal length	12
33959	5-micron Reverse Flow Final Filter Water Separator Element - 4.3" nominal length	12
33960	5-micron Reverse Flow Final Filter Water Separator Element - 5.1" nominal length	12
33961	5-micron Reverse Flow Final Filter Water Separator Element - 6.0" nominal length	12
<i>"Generation III Enhanced Retention System" 5-micron Pre-Filter/Water Separator Reverse Flow (Black "ERS" Logo) Replacement</i>		
37295	5-micron Gen III Reverse Flow Final Filter Water Separator Element - 4.3" nominal length	12
<i>2-micron Reverse Flow (Black Logo) Final Filter/Water Separator Elements.</i>		
36012	2-micron Reverse Flow Final Filter Water Separator Element - 6.0" nominal length	12
Reminders:		
<ol style="list-style-type: none"> 1. "Reverse Flow" (Black Logo) elements must not be used on conventional "Normal Flow" Fuel Manager headers. 2. Conventional or "Normal Flow" (Red Logo) elements must not be used on a "Reverse Flow" header. 3. "Gen III ERS" elements are not interchangeable with older filter elements. See X-ref table 99642 for detailed part number references. 		

Part No.	Description	Pkg. Qty.	
Section 2.7 - FM 100 Series MARINE replacement elements (with special extra corrosion protection)			
32200	150-micron Marine Pre-filter Water Separator Element - 4.3"	12	
32201	150-micron Marine Pre-filter Water Separator Element - 6.0"	12	
32177	30-micron Marine Pre-filter Water Separator Element - 4.3"	12	
32180	30-micron Marine Pre-filter Water Separator Element - 6.0"	12	
37293	10-micron Marine <i>Gen III</i> Reverse Flow Pre-Filter Water Separator Element - 4.3"	12	
37301	10-micron Marine <i>Gen III</i> Reverse Flow Pre-Filter Water Separator Element - 6.0"	12	
32178	5-micron Marine Final Filter Water Separator Element - 4.3"	12	
32179	5-micron Marine Final Filter Water Separator Element - 6.0"	12	
37291	2-micron Marine <i>Gen III</i> Final Filter Water Separator Element - 4.3"	12	
37298	2-micron Marine <i>Gen III</i> Final Filter Water Separator Element - 6.0"	12	
Section 2.8 - FM 100 Series Header Kits (mounting header with cap, volume plug, seals etc. No filter element). Designed to be used when "building" different or special assemblies, if a standard assembly (see Sections 2.1 and 2.2) is not suitable			
30837	Header Assy - 1/2" - 20 straight thread (SAE) ports	1	
33260	Header Assy - 1/4" - 18 NPTF ports (replaces 29888)	1	
33648	Header Assy - 3/8" - 18 NPTF ports	1	
34504	Header Assy - M12 x 1.5 'O' ring ports	1	
34306	Header Assy - M14 x 1.5 'O' ring ports	1	
Section 2.9 - FM 100 Series Optional Module Kits (containing all parts and instructions)			
31341	Heater Kit - 100 Watt - Top Load 12 volt - FM 100	1	
32364	Heater Kit - 150 Watt - Top Load 12 volt (replaces 29255) - FM 100	1	
33649	Heater Kit - 150 Watt - Top Load 24 volt - FM 100	1	
32283	Heater Kit - 100 Watt - Side Load 1/4" - 18 NPT - 12 volt	1	
35160	Heater Kit - 100 Watt - Side Load 3/8" - 18 NPT - 12 volt	1	
30939	Heater Kit - 100 Watt - Side Load 1/2" - 20 straight thread - 12 volt	1	
34743	Heater Kit - 100 Watt - Side Load - M12 x 1.5 - 12 volt	1	
36550	Heater Kit - 100 Watt - Side Load 1/2" - 20 straight thread - 12 volt. Special Deutsch connector	1	
34144	Heater Kit - 100 Watt - Side Load 1/4" - 18 NPT - 24 volt	1	
34145	Heater Kit - 100 Watt - Side Load 3/8" - 18 NPT - 24 volt	1	
34146	Heater Kit - 100 Watt - Side Load 1/2" - 20 straight thread - 24 volt	1	
35334	Heater Kit - 100 Watt - Side Load - M12 x 1.5 - 24 volt	1	
29268	Electronic Water Sensor Kit - Conventional 12 volt	1	
33651	Electronic Water Sensor Kit - Conventional 24 volt	1	
29899	See-through Water Collection/Storage Bowl Kit (not Marine) - FM 100	1	
29578	Normal Flow Hand Primer Pump Kit (not Marine) - FM 100	1	
35474	Reverse Flow Hand Primer Pump Kit (not Marine) - FM 100	1	
37333	Filter Change Indicator (FM 10, FM 100 or FM 1000 suction side applications)	1	
29575	150 micron Pre-Filter Screen - FM 100	6	

Part No.	Description	Pkg. Qty.	
Section 2.10 - FM 100 Series Service Parts			
30446	Heater element - 100 Watt - Top Load 12 volt	1	
30447	Heater element - 150 Watt - Top Load 12 volt	1	
32343	Water Sensor connectors & circuit board - Conventional 12 volt (replaces 29988)	1	
31942	Water Sensor connectors & circuit board - Conventional 24 volt	1	
28849	Cap Ring for top of mounting header - FM 100	6	
28853	Cap Plate for top of mounting header - FM 100	6	
28869	O-Ring (under cap plate) - FM 100	6	
29552	Volume Plug for mounting header - FM 100	6	
13494	Seal, 'O' ring (for air vent)	10	
10519	Seal, 'O' ring (for bowl to element)	10	
34061	Wiring Harness with plug for 33945 Lift Pump Assy	1	
28691	Air Vent Plug	6	
29458	Large diameter Element Retaining Ring - FM 100	6	
29577	Large diameter Dust Seal under Retaining Ring - FM 100	6	
30448	Water collection/storage bowl seal kit - FM 100	6	
32342	Water Sensor Plastic Drain Valve Kit (not Marine)	1	
32002	Standard Plastic Drain Valve Kit (not Marine)	1	
Section 2.11 - FM 100 Series MARINE service parts. Special corrosion-resistant parts.			
30552	Standard Marine (aluminum) Drain Valve	1	
30660	Water Sensor Marine (aluminum) Drain Valve	1	
30841	Normal Flow Hand Primer - Marine - FM 100	1	
30866	Water Sensor Kit - 12V, Marine	1	

Part No.	Description	Pkg. Qty.
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**Section 3 - FM 1000 Series filter/separators for diesel engines up to 600HP
(Total fuel flow up to 180 US GPH or 680 liters/hr). On or off-road applications**



FM 1000 Complete Assembly
- mounting header
- 8" filter element



Section 3.1 - FM 1000 Series Complete Ready-Assembled Filter/Separator Units.

33688	Pre-Filter/Water Sep. Assy. with 1/2" - 14 NPTF ports & 4" 30-micron element (33634)	1
33692	Pre-Filter/Water Sep. Assy. with 1/2" - 14 NPTF ports & 8" 30-micron element (33638)	1
33696	Pre-Filter/Water Sep. Assy. with 7/8" - 14 'O' ring ports & 4" 30-micron element (33634)	1
33700	Pre-Filter/Water Sep. Assy. with 7/8" - 14 'O' ring ports & 8" 30-micron element (33638)	1
36224	Pre-Filter/Water Sep. Assy. with M22 x 1.5 'O' ring ports & 8" 150-micron el. (36223), 24Volt wif & Hand Primer	1
33686	Final Filter/Water Sep. Assy. with 1/2" - 14 NPTF ports & 4" 5-micron element (33119)	1
33690	Final Filter/Water Sep. Assy. with 1/2" - 14 NPTF ports & 8" 5-micron element (33636)	1
33694	Final Filter/Water Sep. Assy. with 7/8" - 14 'O' ring ports & 4" 5-micron element (33119)	1
33698	Final Filter/Water Sep. Assy. with 7/8" - 14 'O' ring ports & 8" 5-micron element (33636)	1
37776	Final Filter/Water Sep. Assy. with 7/8" - 14 'O' ring ports & 8" 5-micron element & Bowl & Heater 36238	1

Section 3.2 - FM 1000 Series Header only Assemblies (Header with cap, volume plug, seals etc.)

33564	FM 1000 header, black 'E' coated , with 1/2" - 14 NPTF thread ports	1
33102	FM 1000 header, black 'E' coated , with 7/8" - 14 straight thread 'O' ring ports	1

Section 3.3 - FM 1000 Series Replacement Elements for normal flow assemblies (Branded FUEL MANAGER in red)

150-micron Pre-Filter/Water Separator Replacement Elements

36223	150-micron Pre-filter Water Separator Element - 8" nominal length	6
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30-micron Pre-Filter/Water Separator Replacement Elements

33634	30-micron Pre-filter Water Separator Element - 4" nominal length	6
33638	30-micron Pre-filter Water Separator Element - 8" nominal length	6

10-micron REVERSE FLOW Pre-Filter/Water Separator Replacement Elements

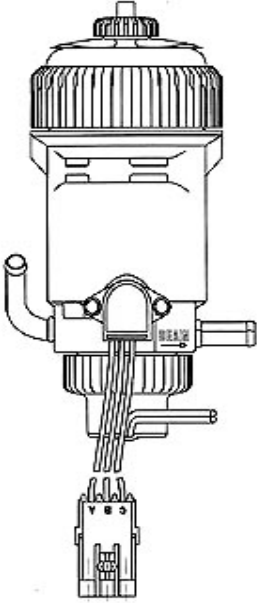

37968	10-micron Reverse Flow Pre-filter Water Separator Element - 8" nominal length	6
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5-micron Final Filter/Water Separator Replacement Elements

33119	5-micron Final Filter Water Separator Element - 4" nominal length	6
33636	5-micron Final Filter Water Separator Element - 8" nominal length	6

Part No.	Description	Pkg. Qty.	
Section 3.4 - FM 1000 Series Optional Module Kits & Service Parts			
35635	See-through water collection/storage bowl - FM 1000	1	
36910	NORMAL FLOW Hand Primer Kit - FM 1000	1	
37348	REVERSE FLOW Hand Primer Kit - FM 1000	1	
36238	Heater Kit - 300 Watt - Top Load (12V) - FM 1000	1	
36768	'O' ring Seal Kit - FM 1000	1	
29268	Electronic Water Sensor Kit - Conventional 12 volt	1	
33651	Electronic Water Sensor Kit - Conventional 24 volt	1	
38023	Electronic Water Sensor Kit - Conventional 24 volt	1	
33108	Large plastic Quick Change Ring - FM 1000	1	
28694	Cap Ring for top of mounting header - FM 1000	1	
29588	Large 'O' ring under top-cap	1	
32342	Water Sensor Plastic Drain Valve Kit (not Marine)	1	
32002	Standard Plastic Drain Valve Kit (not Marine)	1	
33104	Dust Seal - FM1000	1	

Section 3.5 - FM 1000A Special "Low Profile" Replacement Elements			
37886	2-micron Reverse Flow Final Filter Water Separator Element - 3.0" nominal length	8	

Part No.	Description	Pkg. Qty.	
Section 4 - Fuel Manager "Top Load" Filter/Separator. For GM 6.5L diesel engine.			
	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>GM 6.5L Filter Assy 29367</p> <ul style="list-style-type: none"> - filter element 31712 - electric water-in-fuel sensor 30831 - electric heater 31341 </div>		
Section 4.1 - Complete Filter/Separator Assembly for GM 6.5 or similar installation.			
29367	Complete "Top Load" Assy with 5 micron element, 12V water sensor & 100 watt heater.	1	
Section 4.2 - Service Parts for GM "Top Load" Filter/Separator Assembly			
31712	Service filter element - 5 micron Final Filter/Water Separator Element - GM Top Load	12	
29996	Complete Water Sensor Kit (circuit board, wiring harness, connectors) - 12 volt - GM Top Load	1	
30831	Water Sensor service kit (circuit board and connection only) - 12 volt - GM Top Load	1	
31341	Heater Kit - Complete kit. 100 Watts, 12 volt	1	
30446	Heater service element only - 100 Watts, 12 volt	1	
29244	Cylindrical nylon mesh screen inside filter base - GM Top Load	1	
28694	Retaining ring (large) - GM Top Load	1	