

## Lube and Fuel Filter Design Improvements:

FRAM HD  
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FRAM<sup>®</sup> Heavy-Duty has made improvements, changes and enhancements to product designs as production is being consolidated into our facilities in Albion, IL. We are pleased to announce that these changes add extra benefits to the FRAM product line. Due to these changes, there may be visual differences on some of the Heavy-Duty Lube and Fuel filters listed below.

**Note: Overall fit, form, and function are not affected**

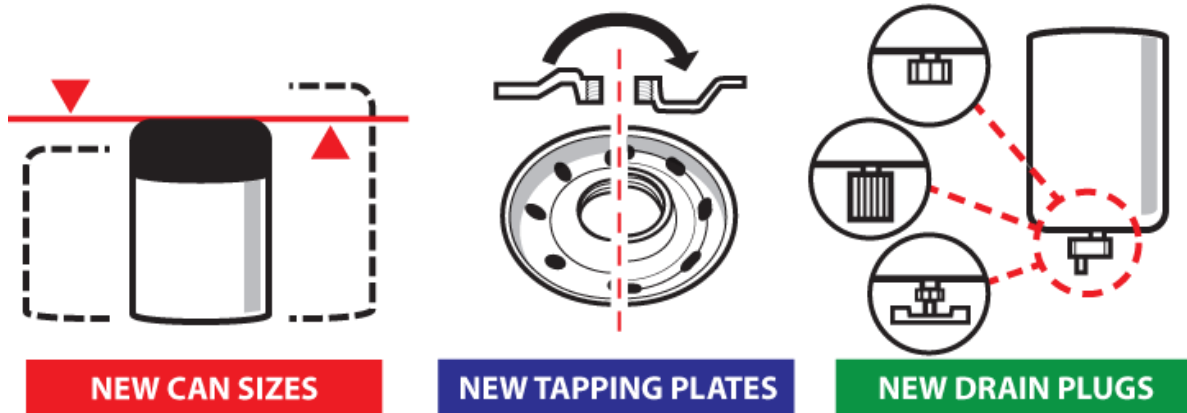
### External Differences:

- Overall profile, e.g., height variances either shorter/longer profile construction
- Drain valve added or style change -- where a drain valve existed on previous style, was hex/plug, now petcock style except where noted\*

### Internal Differences:

- Mounting thread design change to inverted thread construction

### Profile Comparison: New Design vs. Previous Design



### Features & Benefits:

- Longer/Shorter filter can height for several oil, fuel, and fuel/water separator filters, providing same OE or improved performance.
- Several models now have heavy gauge steel tapping plates with inverted, roll-formed (versus cut) threads for added overall strength.
- Some fuel/water separator filters now have a drain plug.



PART NUMBER	DESCRIPTION	OVERALL FILTER LENGTH			MOUNTING THREAD DESIGN		DRAIN PLUG	
		PREVIOUS HEIGHT	NEW HEIGHT	HEIGHT VARIANCE	PREVIOUS STYLE	NEW STYLE	PREVIOUS STYLE (Plug)	NEW STYLE (Petcock)
	Lube	OVERALL DIMENSION (INCHES)			INVERTED THREAD		(WITH / WITHOUT)	

HPH49AFP	HD High Perf. Full-Flow Lube Spin-on	10.450	10.350	-0.100	NO	YES	W/O	W/O
HPH11000FP	HD High Perf. Full-Flow Lube Spin-on	11.980	11.230	-0.750	YES	YES	W/O	W/O
HPH3612FP	HD High Perf. Full-Flow Lube Spin-on	10.190	11.220	1.030	YES	YES	W/O	W/O
HPH3786FP	HD High Perf. Full-Flow Lube Spin-on	7.110	7.980	0.870	NO	YES	W/O	W/O
HPH6349AFP	HD High Perf. Full-Flow Lube Spin-on	10.190	11.230	1.040	YES	YES	W/O	W/O
HPH7405AFP	HD High Perf. Full-Flow Lube Spin-on	10.190	9.690	-0.500	YES	YES	W/O	W/O
PH20A	HD Full-Flow Lube Spin-on	5.730	5.220	-0.510	NO	NO	W/O	W/O
PH49A	HD Full-Flow Lube Spin-on	10.450	10.350	-0.100	NO	YES	W/O	W/O
PH2883	HD Full-Flow Lube Spin-on	7.940	9.000	1.060	NO	NO	W/O	W/O
PH2921	Full-Flow Lube Spin-on	5.190	3.090	-2.100	NO	NO	W/O	W/O
PH3306A	Full-Flow Lube Spin-on	6.940	7.350	0.410	NO	NO	W/O	Hex Nut*
PH3426	HD Full-Flow Lube Spin-on	9.580	12.100	2.520	YES	YES	W/O	W/O
PH3503	Full-Flow Lube Spin-on	5.730	4.370	-1.360	NO	NO	W/O	W/O
PH3545	HD Full-Flow Lube Spin-on	6.520	5.780	-0.740	NO	YES	W/O	W/O
PH3612	HD Full-Flow Lube Spin-on	10.190	9.690	-0.500	YES	YES	W/O	W/O
PH3639	Full-Flow Lube Spin-on	5.560	4.440	-1.120	YES	NO	W/O	W/O
PH373	Full-Flow Lube Spin-on	8.720	7.970	-0.750	NO	NO	W/O	W/O
PH3735	HD Full-Flow Lube Spin-on	8.780	6.870	-1.910	NO	NO	W/O	W/O
PH3766	Full-Flow Lube Spin-on	5.610	5.780	0.170	NO	YES	W/O	W/O
PH3786	Full-Flow Lube Spin-on	7.110	7.980	0.870	NO	YES	W/O	W/O
PH39	Full-Flow Lube Spin-on	6.810	7.960	1.150	NO	NO	W/O	W/O
PH4804	Full-Flow Lube Spin-on	7.940	6.630	-1.310	NO	YES	W/O	W/O
PH6349A	HD Full-Flow Lube Spin-on	10.190	11.220	1.030	YES	YES	W/O	W/O
PH7136	Full-Flow Lube Spin-on	7.130	7.980	0.850	NO	NO	W/O	W/O
PH7325	Full-Flow Lube Spin-on	5.280	4.220	-1.060	NO	NO	W/O	W/O
PH7405A	HD Full-Flow Lube Spin-on	10.190	9.690	-0.500	YES	YES	W/O	W/O
PH8842	HD Full-Flow Lube Spin-on	10.460	10.350	-0.110	NO	YES	W/O	W/O
PH9376	HD Full-Flow Lube Spin-on	10.450	10.350	-0.100	NO	YES	W/O	W/O
PH9971A	HD Full-Flow Lube Spin-on	11.670	13.760	2.090	NO	NO	W/O	W/O
XG3786	Xtended Guard Premium Lube Filter	7.110	8.020	0.910	NO	YES	W/O	W/O
HPH49AFP	HD High Perf. Full-Flow Lube Spin-on	10.450	10.350	-0.100	NO	YES	W/O	W/O

For more information call our Hotline number: 1 800-882-0890  
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		PREVIOUS HEIGHT	NEW HEIGHT	HEIGHT VARIANCE	PREVIOUS STYLE	NEW STYLE	PREVIOUS STYLE (Plug)	NEW STYLE (Petcock)
	Fuel	OVERALL DIMENSION (INCHES)			INVERTED THREAD		(WITH / WITHOUT)	
P1103A	Fuel, Primary Spin-on **	6.200	7.500	1.300	NO	NO	WITH	WITH
P1105	Fuel, Primary Spin-on	5.590	6.270	0.680	NO	NO	WITH	WITH
P1106	Fuel, Primary Spin-on	5.020	5.530	0.510	NO	NO	W/O	W/O
P1107	Fuel, Primary Spin-on	6.200	7.980	1.780	NO	NO	WITH	WITH
P1112	Fuel, Primary Spin-on **	8.840	6.770	-2.070	NO	NO	WITH	<b>W/O</b>
P1117	Fuel, Primary Spin-on	6.940	5.530	-1.410	NO	NO	W/O	W/O
P3375	HD Fuel Spin-on	8.120	10.480	2.360	NO	NO	W/O	W/O
P3710	Fuel, Primary Spin-on **	5.780	6.230	0.450	NO	NO	W/O	<b>WITH</b>
P3804	Fuel, Primary Spin-on	9.000	8.910	-0.090	NO	<b>YES</b>	W/O	W/O
P3805	Fuel, Secondary Spin-on	9.000	8.910	-0.090	NO	<b>YES</b>	W/O	W/O
P9064	HD Fuel Spin-on **	4.050	4.960	0.910	NO	NO	W/O	<b>WITH</b>
P9065	HD Fuel Spin-on **	5.560	4.960	-0.600	NO	NO	W/O	<b>WITH</b>
P9350	HD Fuel Spin-on	5.020	6.900	1.880	NO	NO	W/O	W/O
PG3334	Fuel, Primary Spin-on	7.510	6.870	-0.640	NO	NO	WITH	<b>W/O</b>
	<b>Fuel, Secondary</b>							
P1119	Fuel, Secondary Spin-on	5.020	5.530	0.510	NO	NO	W/O	W/O
P1121	Fuel, Secondary Spin-on	6.940	7.980	1.040	NO	NO	W/O	W/O
P9626	HD Fuel, Secondary Spin-on	10.460	10.350	-0.110	NO	<b>YES</b>	W/O	W/O
	<b>Fuel/Water Separator, Coalescer</b>							
P3430A	HD Fuel/Water Separator Spin-on	10.190	11.220	1.030	NO	<b>YES</b>	W/O	W/O
P7163	HD Fuel/Water Separator Spin-on	8.480	7.910	-0.570	NO	NO	WITH	WITH*
P7357	HD Fuel/Water Separator Spin-on	6.140	6.860	0.720	NO	NO	WITH	<b>W/O</b>
PCS5060G	Fuel/Water Coalescer Spin-on	7.810	9.720	1.910	NO	NO	WITH	WITH

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