

Heater Options for Fleetguard® Fuel Processors

Fleetguard®

Operating diesel equipment in winter has its challenges, but taking a few extra steps and being alert to potential fuel-flow issues can increase your productivity and reduce any unplanned downtime. Heating diesel fuel above the cloud point is the simplest and most reliable way to avoid plugged fuel filters and loss of engine power, even in the most extreme temperatures. Cummins Filtration, the leader in filtration and coolant technology for diesel-powered engines, offers a wide range of PTC heater accessories for your Fleetguard fuel processors.



WHAT'S NEW?

- Fleetguard pre-heaters now use a different technology to generate power than the legacy style pre-heaters. The new pre-heater is backward compatible and is used with all Fleetguard fuel processors made since late 2013.
- The new pre-heaters use a Positive Temperature Coefficient (PTC) heating element which self-regulates at a preset temperature. In order to maintain the preset temperature the power output adjusts automatically and is continuously energized, providing the necessary power based on fuel temperature.

Positive Temperature Coefficient (PTC) Heater Kits

Legacy Fleetguard® Part Number	New Fleetguard® Part Number	Heater Wattage	Heater Voltage	Interface	Electrical Connection	Fuel Processor Application	Included w/ Kit
3959749 S	SP1316	195 W	24VDC	1/2" NPT	Weather-Pack	FH230 / FH234	Heater / harness / plug
3959750 S	SP1317		24VDC		Weather-Pack	FH230 / FH234	Heater / harness / clamp / seal
3959751 S	SP1318		12VDC		Weather-Pack	FH230 / FH234	Heater / harness / clamp / seal
3952119 S	SP1319		24VDC		Weather-Pack	FH230 / FH234	Heater / seal / plug
3959752S	SP1320		12VDC		Metri-Pack	FH230 / FH234	Heater / seal / plug
3959753 S	SP1321		12VDC		Weather-Pack	FH230 / FH234	Heater / seal / plug
3959754 S	SP1322		12VDC		Weather-Pack	FH230 / FH234	Heater / plug
3959755 S	SP1323		24VDC		Weather-Pack	FH230 / FH234	Heater / plug

*Part numbers for heater kits have not changed since introduction of PTC heaters.

Positive Temperature Coefficient (PTC) Heaters

Legacy Fleetguard® Part Number	New Fleetguard® Part Number	Heater Wattage	Heater Voltage	Interface	Electrical Connection	Fuel Processor Application	Included
3972254 S	SP1312	195 W	12VDC	7/8"-14	Weather-Pack	FH235 / FH236 / FH239	Heater only
3976892 S	SP1313	195 W	24VDC	7/8"-14	Weather-Pack	FH235 / FH236 / FH239	
-	SP1314	195 W	24VDC	7/8"-14	TYCO	FH235 / FH236 / FH239	
-	SP1315	195 W	24VDC	1/2" NPT	Weather-Pack	FH230 / FH234	

Pre-heater Element Technology	New PTC Pre-Heater	
System Power	12V	24V
Rated Power Output	195W Nom ⁰	195W Nom ⁰
Time to rise temp from 0°F to 30°F	<6min	<6min
Typical current draw after 10 min	8.5A	4.5A
Maximum inrush current	28A	14A
Inrush current time duration	<2 sec	<2 sec
Current draw means of regulation	Fuel temp	Fuel temp
Average current draw at temp <68°F	5A	2.5A
Average current draw at temp >68°F	4A	2A
Current draw with no fuel	500mA	500mA

Why use a PTC heater with your fuel processor?

To keep wax and moisture in the fuel at a liquid state during extremely cold conditions, it is best practice to heat diesel fuel as close to the filter element as possible. Fluid transfer heaters built into products such as the Fleetguard Diesel Pro®, Fuel Pro® and Industrial Pro® series provide continuous heating during operation.

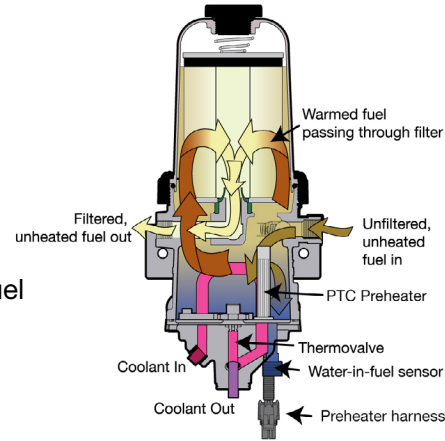
The all-in-one fuel filter/water separator and heater design means that no additional tank heater, in-line heater, or any other add-on fuel heating hardware is necessary for ensuring proper protection from contaminated fuel or operating conditions unless facing extreme operating environments.

Best Warranty in the Business.

The Cummins Filtration Warranty extends to our entire line of products, ensuring the same promise of performance and coverage beyond the competition. Visit cumminsfiltration.com to learn more about the competitive benefits of the Cummins Filtration Warranty.

Wherever You Are, So Are We.

You can find Fleetguard products at over 33,000 retail locations worldwide. For the one nearest you, go to cumminsfiltration.com. In North America, customers who want more information can call **1-800-22FILTER (1-800-223-4583)**.



HOW IT WORKS.

