FORCED FLOW CIRCULATION HEATER

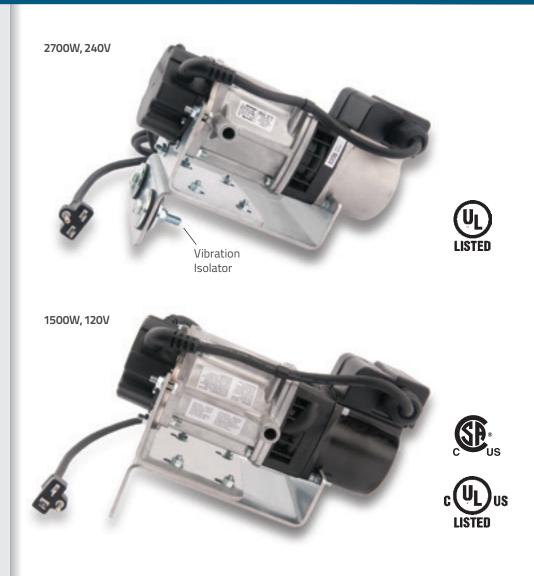
Zerostart[®] Temro[®]

The Forced Flow Circulation Heater circulates warm coolant throughout the engine to provide even heat distribution.

BENEFITS

Heat Performance and Distribution:

- Uniform heat distribution
 - Reduces wear from cold spots
 - Improves startability
- Ensures generator is at optimal starting temperature and ready to accept load
- Durable pump with non-magnetic impeller that does not attract metal debris
- Robust die cast aluminum housing improves sealing of the hoses, eliminates leaking and breakage
- Corrosion resistant steel brackets for superior strength and durability
- Reduces thermal stress on coolant hoses
- Element designed for long life with maximum heat transfer
- IP44 Ingress Protection Rating
- No evaporation of coolant from hoses
- Reduces low coolant level alarms because coolant does not boil



FEATURES

- Die cast aluminum housing
- Nonmagnetic impeller
- Corrosion resistant steel brackets
- Heater is designed with connections for 5/8" heater hoses
- Thermostatically controlled and protected
- Safety shut-off provides overheat protection

WHERE TO USE

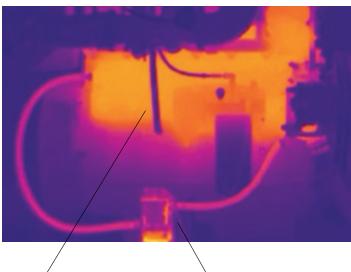
Diesel or natural gaseous genset application



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FORCED FLOW CIRCULATION HEATER

WHY IS THE FORCED FLOW CIRCULATION HEATER PREFERRED?



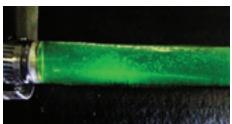
/ Engine Block

Forced Flow Circulation heater

Forced Flow Circulation Heater



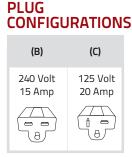
Other Coolant Heater



In a comparison test at 72°F for 10 minutes, the forced flow circulation heater did not produce air bubbles due to coolant boiling.

Provides significant heat distribution in half the time

- Achieves even heat distribution throughout the engine block reducing cold spots and extending the life of coolant hoses
- Eliminates coolant boiling
- Note: 9L engine, 1500W heater, 120V, 32°F



Part No.	Outlet Location	Watts	Volts	Amps	Length	Width	Height	Heater Hose Connections	Service Kit	Plug Type
3309020	Right	1500	120	12.5	8-1/2" (22cm)	4-13/16" (12.2cm)	10' (25.4cm)	5/8" (16mm)	3309026	С
3309021	Left	1500	120	12.5	8-1/2"(22cm)	4-13/16" (12.2cm)	10' (25.4cm)	5/8" (16mm)	3309027	С
3309024	Right	2700	240	11.25	8-1/2" (22cm)	4-13/16" (12.2cm)	10' (25.4cm)	5/8" (16mm)	3309029	В
3309025	Left	2700	240	11.25	8-1/2" (22cm)	4-13/16" (12.2cm)	10' (25.4cm)	5/8" (16mm)	3309029	В

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