

# IN-LINE FUEL HEATERS FOR COMPRESSED NATURAL GAS (CNG)



Designed specifically for natural gas, the in-line fuel heater prevents natural gas from dropping below acceptable temperatures based on engine temperature and load. Natural gas is stored in tanks with a regulator to ensure the pressure is approximately 115psi. As a result of this pressure drop, the natural gas can reach temperatures nearing -200°F (-128°C).

## BENEFITS

- Simple, compact design fits in areas with limited space
- 100% stainless steel construction for durability and fuel compatibility
- Maximizes heat transfer with the 15 tube exchanger
- Designed specifically for applications that utilize Compressed Natural Gas

## WHERE TO USE

- Compressed Natural Gas and other alternative fuels



## SPECIFICATIONS

- 350psi (2413kPa) working pressure, 100% lab certified
- Minimum burst pressure (destructive test) 6000psi (41369kPa)
- 15 tube heat exchanger
- Integral thermostat option available (SFT models). This may be required at low fuel rates
- Fuel ports
  - NPTF
  - Swagelok (add 1 inch/25.4mm to fuel port protrusion)

Customer service: Toll Free: 800.328.6108

Email: [customerservice@phillipsandtemro.com](mailto:customerservice@phillipsandtemro.com)

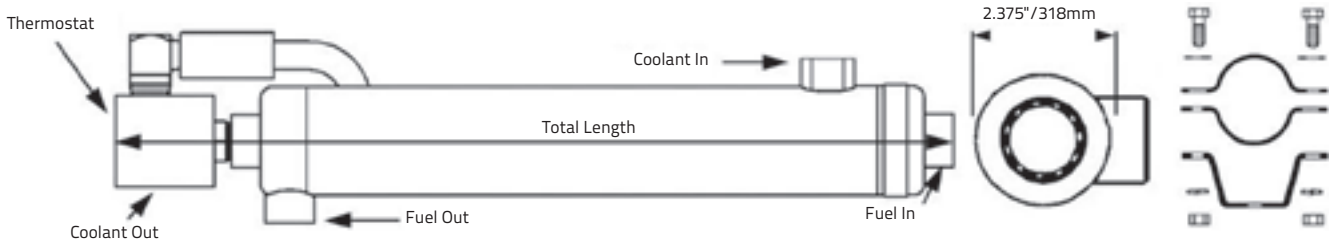
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Part Number	Gas Port Size	Coolant Port Size	Tube Length	Total Length	Surface Area	Integral Thermostat
SF-2587-6	1/2" NPT	1/2" NPT	6.0"/152mm	10.0"/245mm	108" <sup>2</sup> /697cm <sup>2</sup>	NO
SF-2587-8	1/2" NPT	1/2" NPT	8.0"/203mm	12.0"/305mm	143" <sup>2</sup> /923cm <sup>2</sup>	NO
SF-2587-10	1/2" NPT	1/2" NPT	10.0"/254mm	14.0"/356mm	179" <sup>2</sup> /1155cm <sup>2</sup>	NO
SF-2587-12	1/2" NPT	1/2" NPT	12.0"/305mm	16.0"/406mm	214" <sup>2</sup> /1381cm <sup>2</sup>	NO
SFT-2587-1/2NPT-6	1/2" NPTF	1/2" NPT	6.0"/152mm	12.5"/318mm	108" <sup>2</sup> /697cm <sup>2</sup>	YES
SFT-2587-1/2NPT-8	1/2" NPTF	1/2" NPT	8.0"/203mm	14.5"/368mm	143" <sup>2</sup> /923cm <sup>2</sup>	YES
SFT-2587-1/2NPT-10	1/2" NPTF	1/2" NPT	10.0"/254mm	16.5"/419mm	179" <sup>2</sup> /1155cm <sup>2</sup>	YES
SFT-2587-1/2NPT-12	1/2" NPTF	1/2" NPT	12.0"/305mm	18.5"/469mm	214" <sup>2</sup> /1381cm <sup>2</sup>	YES
SFT-2587-6-SWGLK-X/XCP	1/2" Swagelok	See Note	6.0"/152mm	13.0"/330mm	108" <sup>2</sup> /697cm <sup>2</sup>	YES
SFT-2587-8-SWGLK-X/XCP	1/2" Swagelok	See Note	8.0"/203mm	15.0"/381mm	143" <sup>2</sup> /923cm <sup>2</sup>	YES
SFT-2587-10-SWGLK-X/XCP	1/2" Swagelok	See Note	10.0"/254mm	17.0"/432mm	179" <sup>2</sup> /1155cm <sup>2</sup>	YES
SFT-2587-12-SWGLK-X/XCP	1/2" Swagelok	See Note	12.0"/305mm	19.0"/483mm	214" <sup>2</sup> /1381cm <sup>2</sup>	YES

**NOTE:** For SFT-2587 with Swagelok fuel ports, coolant ports can be 1/2", 5/8", or 3/4" hose barb—substitute desired hose barb size for the X/X designation in the part number—Example: SFT-2587-SWGLK-3/4CP will have 3/4" hose barbs included in the hardware package.



**WARNING:** Maximum recommended service life for SF-2587 and SFT-2587 models is 6 years from the date of manufacture as labeled on the device. Replace with new unit when the device has reached 6 years of service.