

IN-TANK FUEL & FLUID WARMERS



HOT FOX SHUT-OFF THERMOSTAT & STANDPIPE

Warms fuel as it is drawn from the tank for the engine and auxiliary heater with the remaining heat dispersed inside the tank.

FEATURES

- Diesel & BioDiesel Compatible
- Shut-Off Thermostat Options
 - On 78°F (25°C) – Off 95°F (35°C)
 - On 104°F (40°C) – Off 125°F (52°C)
- 304 Stainless Steel Construction
- 1/2" NPT Extension Fitting Included
- Installs in a standard SAE Fuel Sending Gauge Opening
- Fuel Tank Adapter Kit Required for Non SAE Openings (See page 135)

TYPE OF HEATING

- Warm Coolant



Part Number	Tube Length	Tank Depth	Coolant Port	Fuel Port	Aux Fuel Port	Aux Fuel Tube I.D.
Shut-off Thermostat On 78°F (25°C) & Off 95°F (35°C)						
SHFTW-27-29-4MM	26" / 660mm	27-29" / 686-737mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
Shut-off Thermostat On 104°F (40°C) & Off 125°F (52°C)						
SHFTW-27-29-104-125-4MM	26" / 660mm	27-29" / 686-737mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm

CAUTION: THE HOT FOX WITH SHUT-OFF THERMOSTAT REQUIRES IT'S OWN COOLANT LOOP—DO NOT PLUMB IN SERIES WITH ANY OTHER COOLANT DEPENDENT DEVICES

WARNING: Tank reinforcement **MUST** be used to provide additional structural support to the fluid warmer to avoid tank cracking, leading to fluid leakage. See page 135 for tank adapter kits.

IN-TANK FUEL & FLUID WARMERS



HOT FOX WITH AUXILIARY STANDPIPE

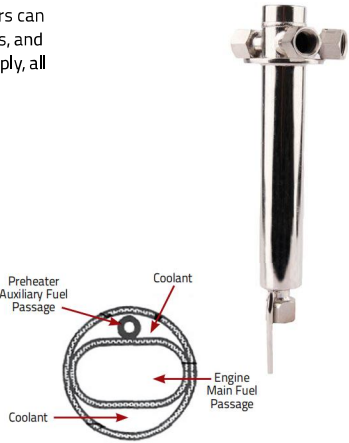
Warms fuel for the main supply and an auxiliary fuel supply. Operators can now easily supply diesel fired coolant heaters, diesel fired cab heaters, and other auxiliary fuel requirements, as well as the main engine fuel supply, all in one package.

FEATURES

- Diesel & BioDiesel Compatible
- Heats fuel as it is drawn from the tank to the engine and auxiliary fuel requirements
- 304 Stainless Steel Construction
- Low Profile Mount 2" (51mm) – Between Fuel Tank & Cab
- Includes 2" Extension Fitting
- Installs in a Standard SAE Fuel Sending Gauge Opening
- Fuel Tank Adapter Kit Required for Non SAE Openings (See page 135)

TYPE OF HEATING

- Warm Coolant



Part Number	Tank Depth	Coolant Port Size	Main Fuel Port Size	Aux Fuel Port Size	Aux Fuel Tube I.D.
TWHF 10-12 2mm	10-12" / 254-305mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 13-15 2mm	13-15" / 330-381mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 14-16 2mm	14-16" / 356-406mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 17-19 2mm	17-19" / 432-483mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 20-22 2mm	20-22" / 508-559mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 22-24 2mm	22-24" / 559-610mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 24-26 2mm	24-26" / 610-660mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 27-29 2mm	27-29" / 686-737mm	1/2" NPT	1/2" NPT	1/8" NPT	2mm
TWHF 10-12 4mm	10-12" / 254-305mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 13-15 4mm	13-15" / 254-381mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 14-16 4mm	14-16" / 356-406mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 17-19 4mm	17-19" / 432-483mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 20-22 4mm	20-22" / 508-559mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 22-24 4mm	22-24" / 559-610mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 24-26 4mm	24-26" / 610-660mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm
TWHF 27-29 4mm	27-29" / 686-737mm	1/2" NPT	1/2" NPT	1/8" NPT	4mm

WARNING: Tank reinforcement **MUST** be used to provide additional structural support to the fluid warmer to avoid tank cracking, leading to fluid leakage. See page 135 for tank adapter kits.

IN-TANK FUEL & FLUID WARMERS



HOT FOX

Coolant passages inside the tube surround the fuel standpipe to provide heat rise. The internal fuel line features an exclusive spiral design to maximize heat exchange between warm coolant and cold fuel.

FEATURES

- Diesel & BioDiesel Compatible
- Heats fuel as it is drawn from the tank to the engine
- 304 Stainless Steel Construction
- Lowest Profile Mount 1-1/3" (34mm) – Between Fuel Tank & Cab
- 2" Extension Fitting Included
- Installs in a Standard SAE Fuel Sending Gauge Opening
- Fuel Tank Adapter Kit Required for Non SAE Openings (See page 135)
- 1/2" NPT coolant and fuel ports

TYPE OF HEATING

- Warm Coolant

Part Number	Tank Depth/Diameter	Tube Length
HFG 08-10	08-10" / 203-245mm	7" / 178mm
HFG 10-12	10-12" / 245-305mm	9" / 229mm
HFG 12-14	12-14" / 305-356mm	11" / 279mm
HFG 13-15	13-15" / 330-381mm	12" / 305mm
HFG 14-16	14-16" / 356-406mm	13" / 330mm
HFG 17-19	17-19" / 432-483mm	16" / 406mm
HFG 20-22	20-22" / 508-559mm	19" / 483mm
HFG 22-24	22-24" / 559-610mm	21" / 533mm
HFG 24-26	24-26" / 610-660mm	23" / 584mm
HFG 26-28	26-28" / 660-711mm	25" / 635mm
HFG 27-29	27-29" / 686-737mm	26" / 660mm

WARNING: Tank reinforcement **MUST** be used to provide additional structural support to the fluid warmer to avoid tank cracking, leading to fluid leakage. See page 135 for tank adapter kits.

HOT FOX HEAT RISE DATA

Coolant Temperature between 192°F / 89°C and 201°F / 94°C—Coolant flow at 5GPM/19LM

13" - 15"			20" - 22"			27" - 29"		
Fuel Flow GPM/LM	Temp In F/C	Temp Out F/C	Fuel Flow GPM/LM	Temp In F/C	Temp Out F/C	Fuel Flow GPM/LM	Temp In F/C	Temp Out F/C
0.17/0.6	+1.7/-17	69.5/21	0.19/0.7	-3.7/-20	84.3/29	0.21/0.8	0.0/-18	81.7/28
0.50/1.9	+2.6/-16	43.2/6	0.51/1.9	-3.7/-20	51.6/11	0.48/2.2	+1.8/-18	71.6/22
1.53/5.8	-0.7/-18	23.9/-5	1.44/5.5	-3.8/-20	34.2/1	1.57/6.0	2.2/-17	45.7/8
0.16/0.6	-20.9/-29	60.9/16	0.20/0.8	-19.2/-28	67.8/20	0.24/1.1	-22.0/-30	66.2/19
0.50/1.9	-20.4/-29	19.2/-7	0.56/2.5	-19.9/-29	34.2/1	0.49/1.9	-21.1/-30	55.5/13
1.50/5.7	-20.3/-29	5.4/-15	1.59/6.0	-20.5/-29	16.8/-8	1.51/6.9	-20.1/-29	26.1/-3
0.22/0.8	-34.7/-37	37.8/3	0.16/0.6	-36.1/-38	78.9/26	0.17/0.6	-31.8/-35	67.2/20
0.52/1.9	-34.8/-37	9.5/-13	0.50/1.9	-36.0/-38	18.6/-7	0.54/2.0	-32.9/-36	37.2/3
1.44/5.5	-34.8/-37	-7.5/-22	1.48/5.6	-35.9/-38	-1.4/-19	1.60/6.0	-33.4/-36	10.8/-12

IN-TANK FUEL & FLUID WARMERS



HOT FOX INDUSTRIAL

FEATURES

- Diesel & BioDiesel Compatible
- 304 Stainless Steel Construction
- Optional Fuel Tank Adapters Available (See page 135)

APPLICATIONS

- Industrial

TYPE OF HEATING

- Warm Coolant

OPTIONS AVAILABLE

- 1" NPT Port for Regulating T-Stat



Part Number	Mounting Thread	Insertion Depth	Extension Tube Included - 24"	Coolant Port - Female	Fuel Port - Female	Aux Fuel Port - Female	Aux Fuel Tube I.D.
NPT							
TWHF-2524-24-48	2" NPT	24-48"	Y	1/2" NPT	1" NPT	1/8" NPT	4mm
TWHF-2524-32-56	2" NPT	32-56"	Y	1/2" NPT	1" NPT	1/8" NPT	4mm

See page 135 for tank adapter kits