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Hot Fox® In-Tank / In-Line Fuel Warmer—With Thermostat

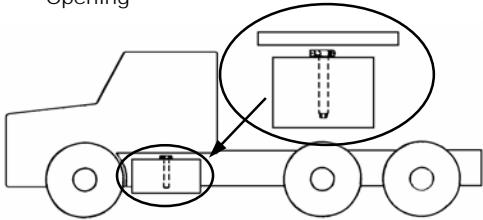
Other models also available—Standard (engine fuel only)—Auxiliary Fuel Standpipe

- Lowest Profile 1-1/3" (34mm)
- Stainless Steel Heat Exchanger
- All Welded Construction
- Sizes for All Tanks
- Rotates for Easy Mounting
- Mounts in Vacant Vehicle Sending Gauge Opening

Get the fuel warming efficiency you desire and the thermostatic control you need in one factory assembled product. The Hot Fox™ Fuel Warmer with coolant Shut-Off Thermostat is a simple 1-1/2 inch (38mm) diameter stainless steel tube that inserts into the tank through a standard USA fuel gauge sending unit opening. Coolant passages inside the tube surround the fuel standpipe to provide excellent heat rise. The internal fuel line features an exclusive spiral design to maximize heat exchange between warm coolant and cold fuel, and comes from the factory with a thermostat directly mounted to the heater.

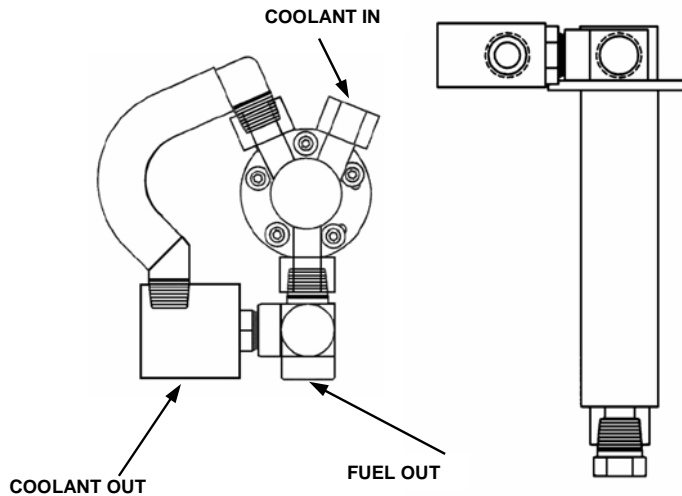
Covered by U.S. Patent No.'s: 4,748,960—5,029,634 and 5,135,044

For most efficient heat transfer, choose the longest HOT FOX™ fuel warmer available for your tank diameter/depth. Each unit comes with a 2" (51mm) extension fitting: A-858. Special sizes are available upon request.



Low Profile Design
 HOT FOX™ fits where other fuel warmers can't.

PART NUMBER	TANK DEPTH/DIA.
SHFT-2512-10-12	10-12" / 254-305mm
SHFT-2512-12-14	12-14" / 305-356mm
SHFT-2512-13-15	13-15" / 330-381mm
SHFT-2512-14-16	14-16" / 356-406mm
SHFT-2512-17-19	17-19" / 432-483mm
SHFT-2512-20-22	20-22" / 508-559mm
SHFT-2512-22-24	22-24" / 559-610mm
SHFT-2512-24-26	24-26" / 610-660mm
SHFT-2512-26-28	26-28" / 610-711mm
SHFT-2512-27-29	27-29" / 686-737mm



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.

When installing a HOT FOX™ with SHUT-OFF THERMOSTAT an appropriate adapter kit **MUST** be used. See reverse for details.

HFG 13-15			HFG 20-22			HFG 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	2.2/-17	45.7/8
0.16/6	-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	-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	-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	-33.4/-36	10.8/-12



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Adapter Kits Available for OEM & Aftermarket Applications Used to Simplify Some Installations
Recommended Use Of Adapter Kits

- When installing Hot Fox™ model heaters into a non-reinforced sending gauge opening.
- When installing Hot Fox™ model heaters in tanks less than 14 gauge, 0.075"/1.9mm steel or 0.100"/2.5mm aluminum.
- When installing Hot Fox™ model heaters into tank flanges.

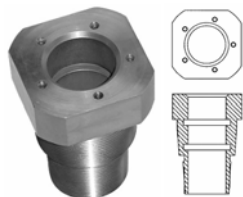
Recommended Use Of A-1721 or A-2060 Adapters

- When installing Hot Fox™ model heaters on applications with extreme vibration.
- When installing Hot Fox™ model heaters horizontally.

Consider Using A Spacer Kit

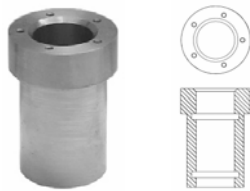
- When sizing a Hot Fox™ model heater to a length that will reach to an inch off the tank bottom.
- When raising the Hot Fox™ model heater will allow easier connections or to route hoses around obstacles.

ROUND TANKS	FLAT TANKS			120mm Flange
KT-827C for 22"-29"/559-737mm Dia. KT-831CS for 14"-21"/356-533mm Dia.	KT-826F	KT-828DF	KT-832L 10"/165mm Dia. KT-4231 4.7" 120mm Dia.	KT-829K
Applications: Adapts standard Arctic Fox fuel warmer mount to Hot Fox™ mount. KIT COMPONENTS Adapter Plate 6"/152mm Square (1) A-827 for KT-827C A-831 for KT-831CS Backing Plates (2) A-1795 Clips (4) A-649 Gasket (1)—A-611 Mounting Bolts (12) - A-610 Template (1)—A-708	Applications: Adapts standard Arctic Fox fuel warmer mount to Hot Fox™ mount. KIT COMPONENTS Adapter Plate 6"/152mm Square (1) A-826 Backing Plates (2) A-2025 Clips (4) A-649 Gasket (1)—A-611 Mounting Bolts (12) - A-610 Template (1)—A-708	Applications: Adapts 10-hole Tokheim and Polar Baron mounts to Hot Fox™ mount. KIT COMPONENTS Adapter Plate (1) A-826 Gasket (1) A-645 Mounting Bolts (10) - A-610	Applications: Adapts misc. automotive/industrial OEM 5-3/4" B.C. flanges & Arctic Fox fuel warmer weld on flanges A-820 & A-823 to Hot Fox™ mount. KIT COMPONENTS Adapter Plate KT-832L—(1) A-832 KT-4231—(1) A-2176 Gasket KT-832L—(1) A-821 KT-4231—(1) A-811 Mounting Bolts K-832L—(10) - A-610 K-4231—(10) A-856	Applications: Adapts Kenworth OEM 104.5mm B.C. Flange to Hot Fox™ mount. KIT COMPONENTS Adapter Plate (1) - A-829 Gasket (1) - A-811 Mounting Bolts (10) - A-856



Threaded Adapter
Fits 1-1/2" & 2" NPT Couplings

- A-1721**
(To -40° F/C)
Parts Included
(1) A-1792 Gasket
(2) A-1726 O-Ring
- A-1721F**
(To -90° F/-67° C)
Parts Included
(1) A-1792 Gasket
(2) A-2758 O-Ring



Weld-In Adapter
For Fuel or Hydraulic Tanks

- A-2060 (SS)**
A-2060-A (Alum.)
(To -40° F/C)
Parts Included
(1) A-1792 Gasket
(2) A-1726 O-Ring
- A-2060F**
(To -90° F/-67° C)
Parts Included
(1) A-1792 Gasket
(2) A-2758 O-Ring



A-870
Blank Plate

Application:
Use to cover tank opening if Hot Fox™ has been removed.



A-4607
Tapped Plate

Application:
Use to install an auxiliary standpipe in a standard USA sending gauge opening.
Center is tapped for 1/2" NPT

SPACER KITS



KT-875

Purpose: To raise HOT FOX™ fuel warmer flange 1/2" (13mm) above tank.
Parts Included:

- (5) A-863 #10-32 UNF socket head bolts
- (1) A-841 Gasket
- (1) A-875 1/2" (13mm) Spacer

KT-877

Purpose: To raise HOT FOX™ fuel warmer flange 1" (25mm) above tank. For Kenworth recessed gauge opening & misc. others
Parts Included:

- (5) A-869 #10-32 UNF socket head bolts
- (1) A-841 Gasket
- (1) A-877 1" (25mm) Spacer