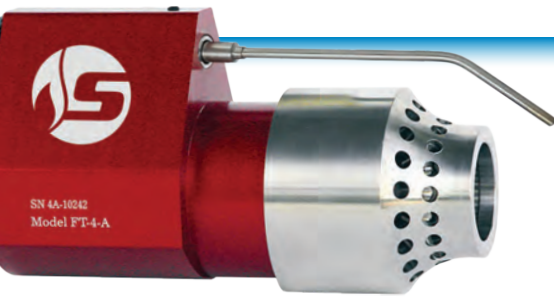


FT Ignition Units

PATENTED SPARKLESS TECHNOLOGY



NO ADJUSTMENT, NO CLEANING

- True plug and play
- Time-saving simple installation
- No gaps to set
- Armored, flame resistant, conduit-ready wiring
- Coil not required
- Compliant to API RP 12N flame arrester testing

FEATURES

- SureFire Sparkless Ignition Technology included on all FT units
- 6061 grade aluminum body, anodized red
- 304 grade stainless steel nozzle
- Date coded, individually serialized
- Extreme cold weather service with proper fuel train
- Low power, 12 volt DC service
- High temperature ignition wiring to 1000°F
- Flame sensing with flame rod or thermocouple

INTEGRATED FLAME SENSOR AVAILABLE IN TWO CONFIGURATIONS

Integrated Flame Sensor "F"

- Kanthal flame rod rated 2600°F
- Armored wiring harness to 500°F duty / 800°F flash
- Enclosed fire tube service

Integrated Flame Sensor "T"

- Type K thermocouple flame-sensing rated 2200°F
- Armored wiring harness to 1000° F duty / 1500°F flash
- Exposed combustor or incinerator service

PILOTLESS IGNITERS



FT-2-AF FLAME ROD
FT-2-AT THERMOCOUPLE

- Inlet: 1 inch NPT
- Duty: Pilotless, direct ignition of burner
- For use with Eclipse 1 inch mixer @ 125,000 Btu/h
- Use with non-piloted fuel train



FT-4-AF FLAME ROD
FT-4-AT THERMOCOUPLE

- Inlet: 2 inch NPT
- Duty: Pilotless, direct ignition of main burner
- For use with Eclipse 2 inch mixer @ 500,000 Btu/h
- Use with non-piloted fuel train



FT-4-AF VT* FLAME ROD
FT-4-AT VT* THERMOCOUPLE

- SureFire's custom design for vertical treaters, Patent Pending
- Inlet: 2 inch NPT
- Duty: Pilotless, direct ignition of main burner
- For use with Eclipse 2 inch mixer @ 500,000 Btu/h
- Use with non-piloted fuel train

*For Vertical Treaters



FT-6-AF FLAME ROD
FT-6-AT THERMOCOUPLE

- Inlet: 3 inch NPT
- Duty: Pilotless, direct ignition of main burner
- For use with Eclipse 3 inch mixer @ 1,000,000 Btu/h
- Use with non-piloted fuel train



surefire-controls.com
Designed and manufactured in the U.S.A.

over **350**
MILLION HOURS
of safe burner control

PILOTED IGNITERS



FT-1-SF FLAME ROD
FT-1-ST THERMOCOUPLE
FT-1-S IGNITER

- Inlet: ½ inch NPT
- Duty: Piloted
- For use with pilot venturi, #72 orifice
- Patent Pending

FTL-F-MINI / FTL-F-30 / FTL-F-40 COMBUSTOR PILOT Piloted Ignition

- Compatible with the BMS-100 and BMS-350
- Flame sensing with thermocouple
- Services combustors and enclosed flares
- Gas Inlet: ¼ inch NPT



FTL-F-MINI

FTL-F-30 / FTL-F-40

FTL-F-72

LARGER FLARE PILOT FOR HARSH CONDITIONS Piloted Ignition

- Compatible with the BMS-100 and BMS-350
- Flame sensing with thermocouple
- Services piloted flares
- Gas Inlet: ¼ inch NPT
- Patent Pending



Igniter	Type	Btu/hr (net)*	Inlet Size	BMS-100	BMS-300	BMS-350
FT-1-S	Piloted	N/A	½" NPT	✓	✓	
FT-1-SF	Piloted	N/A	½" NPT		✓	✓
FT-1-ST	Piloted	N/A	½" NPT	✓		✓
FT-2-AF	Pilotless	125,000	1" NPT		✓	✓
FT-2-AT	Pilotless	125,000	1" NPT	✓		✓
FT-4-AF	Pilotless	500,000	2" NPT		✓	✓
FT-4-AT	Pilotless	500,000	2" NPT	✓		✓
FT-4-AF VT	Pilotless	500,000	2" NPT		✓	✓
FT-4-AT VT	Pilotless	500,000	2" NPT	✓		✓
FT-6-AF	Pilotless	1,000,000	3" NPT		✓	✓
FT-6-AT	Pilotless	1,000,000	3" NPT	✓		✓
FTL-F-MINI	Piloted	N/A	¼" NPT	✓		✓
FTL-F-30	Piloted	N/A	¼" NPT	✓		✓
FTL-F-40	Piloted	N/A	¼" NPT	✓		✓
FTL-F-72	Piloted	N/A	¼" NPT	✓		✓

*Over 1 million Btu/hr rating requires a pilot
 Revised 8/1/18



Designed and manufactured in the U.S.A.

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