



Fannon Products High Efficiency Infrared Lamps

- Fannon Products, LLC manufactures the high efficiency infrared lamps that go into our drying systems.
- Fannon high efficiency lamps are proven to be up to 50% more efficient than a standard infrared lamp. The efficiency gain allows for faster line speeds and reduced electrical consumption.
- The 24K gold reflector on the lamp directs virtually 100% of the infrared emitted from the lamp in one direction — at the paper. By focusing the infrared heat where it is needed, the drying module and surrounding equipment operates cooler.
- The combination of lamp efficiency, focused infrared heat and airflow, cooler equipment temperatures, and the conveyor interlock control, users of Fannon Products, LLC drying systems have eliminated their problems with overheating belts and dangerous paper fires.
- Upgrade your existing dryers with Fannon high efficiency lamps. Replacement lamps are available for any make of drying system. Fannon high efficiency lamps cost less than our competitors' standard infrared lamps.

Replacement Lamps For Web Dryers

- Fannon Products, LLC manufactures replacement lamps for printing press dryers
- Twin tube or single tube lamps with gold reflector
- Medium or short wavelength
- Available in virtually any length, wattage, and voltage
- Typically 50% less than our competitors' prices



QUARTZ IR LAMPS

Fannon Products, LLC manufactures over 1000 different quartz Infrared lamps for commercial or industrial use. Fannon has been manufacturing quartz infrared lamps since 1954. Lamps can be made in virtually any length, wattage, voltage and with a variety of end terminations. Fannon Products, LLC manufactures short and medium wavelength infrared lamps in the standard design or "Goldenrod" design, which incorporates a high efficiency gold reflector that directs the infrared energy where it is needed.



Goldenrod Advantages

Gold is proven to be the best reflector of infrared radiation. A standard infrared lamp will emit infrared in a 360 degree heat pattern, thus relying on a secondary reflector to direct over half of the infrared toward the object being heated. Secondary reflectors quickly become dirty and inefficient. Fannon Products, LLC manufactures infrared lamps with an integral gold reflector built into the lamp that makes the lamp directional, and offers distinct advantages:

- 23.5% more efficient than a standard lamp that utilizes a secondary reflector
- Virtually 100% of the infrared energy is directed toward the object being heated, with minimal waste
- Eliminates the need for costly, heavy, inefficient secondary reflectors
- Upgrade outdated equipment and improve radiant efficiency
- Keeps interior equipment surfaces and surrounding equipment cooler
- Increase in efficiency allows for reduction in lamp output, extending lamp life
- Can be grouped together for very high watt densities
- Specific IR dispersion angles from lamps
- Snap-in design for quick and easy installation; no wire connections necessary



IA-43C Block Connector

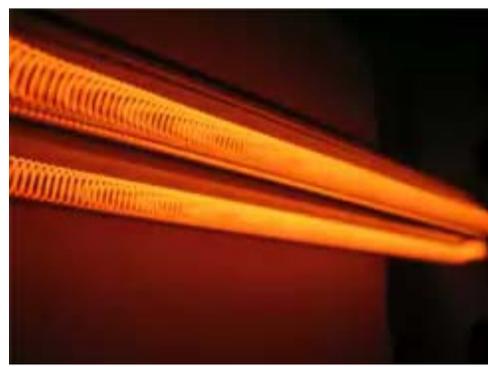


IA-43 Snap Cap Connector

Medium-Wavelength



Medium wave emitter



Goldenrod Medium-Wave Infrared Lamps

The Goldenrod medium-wave infrared lamp is a directional lamp design that contains its own integral reflector. The infrared energy is dispersed out of the tube in one direction without the need for an external reflector. The gold reflector is coated on the quartz tube that directs the energy toward the work in process. The reflector cannot become soiled because it is integral to the product. Some of the features of the Goldenrod Directional Medium-Wave Infrared Lamp are:

- Available in virtually any length, wattage, and voltage
- Can be made to operate in the horizontal and/or vertical position
- A variety of resistance alloys available for operation up to 2000 degrees F
- Available in clear or translucent quartz, single-tube or twin-tube design
- Long life – up to 10,000 hours of actual burning time
- Reasonably fast thermal response for precise control
- Saves 23.5% energy expense compared to standard IR tubes
- Integral reflector keeps interior equipment surfaces and surrounding equipment much cooler
- Snap-in design available; no wire connections necessary
- Specific IR dispersion angles from lamp are available
- Affordable pricing

Standard Medium-Wave Infrared Lamps

Fannon Products, LLC will manufacture standard infrared lamps in any length, wattage and voltage for new applications or for replacement lamps for any existing equipment. Our quality is the best, and our pricing and delivery cannot be beat!

Fast-Response Medium-Wave Infrared Lamps

In applications where medium-wave infrared is required and the thermal response of the lamp is critical, Fannon Products, LLC manufactures Fast Response Medium-Wave Infrared Lamps. These lamps are available as standard or with a gold reflector, and can be made in virtually any length, wattage and voltage.

Instant ON / OFF Medium-Wave Infrared Lamps

Fannon Products, LLC offers a medium-wave Infrared lamp that is Instant ON/OFF. This lamp is currently available in a 17.25" heated length (19.75" OAL) and a 21" heated length (23.75" OAL). Custom sizes are also available.



Instant On/Off medium wave tungsten emitter

Short-Wavelength

Goldenrod Short-Wave Infrared Lamps (Tube-in-a-Tube design)

The Fannon gold-backed short-wave infrared lamp is a directional design that contains its own integral reflector. The infrared energy is dispersed out of the tube in one direction, without the need of a secondary reflector. There is an outer quartz tube that contains the gold reflector which surrounds the inner quartz tube. This provides an air space (360 degrees) around the inner tube. This provides many advantages for protection and function. Some of the features of the Goldenrod Directional Short-Wave lamp are:

- Instant thermal response for precise control
- Saves 23.5% energy expense compared to standard lamps
- Available heated lengths: 1", 5", 8", 10", 16", 25", 28", 38", 40", 53", 58"
- Single or twin-tube design
- Horizontal and vertical operation available
- Tungsten filament for burning temperature up to 4000 degrees F
- No secondary reflector required to direct energy toward work in process
- Air space provides superior heat dissipation to protect gold reflector
- Can be grouped together for very high watt densities
- Snap-in design available; no wire connections necessary
- Integral reflector keeps interior equipment surfaces and surrounding equipment much cooler
- Specific IR dispersion angles from lamp are available
- Custom lengths, wattage, and operating voltages are available
- Long life, affordable pricing



Short wave gold backed tube-n-tube infrared emitter

Standard Short-wave Infrared Lamps

Fannon Products, LLC sells standard short-wave infrared lamps for new applications or for replacement lamps for any existing equipment. Available heated lengths are 5", 8", 10", 16", 25", 38", and 58". Custom sizes, wattage and voltages are available. Our quality is the best, and our pricing and delivery are hard to beat!



Standard T-3 short-wave infrared emitter

END CAPS & CONNECTORS

	Material of End Caps	DIA Quartz	Wave Length	Standard/ Gold	Clear/Trans/ Ruby Quartz
A 	Stainless Steel	5/8" 1/2"	M	S/G	C/T
B 	Stainless Steel	5/8" 1/2"	M	S/G	C/T
C 	Stainless Steel	5/8"	M/S	S/G	C/T/R
D 	Ceramic	5/8"	M/S	S/G	C/T/R
E 	Ceramic	5/8" 1/2" 3/8"	M	S/G	T
F 	Ceramic	3/8"	M	S/G	C/T
G 	Ceramic	1/2"	M	S/G	C/T/R
H 	Ceramic	3/8"	M/S	S/G	C/T/R
I 	Ceramic	5/8" 1/2"	M/S	S/G	C/T/R
J 	Ceramic	5/8"	M/S	S/G	C/T/R
K 	Ceramic	1/2"	M	S/G	Ruby Red C/T
L 	Ceramic	3/8"	S	S	C/T
M 	Insulated Leads	3/8"	S	S	C/T
N 	Stainless/Leads	3/8"	S	S	C/T
O 	Ceramic	3/8"	S	S/G	C
P 	ICA Wire	5/8"	S	S/G	C

I. For high watt density applications, Fannon Products manufactures Goldenrod Array Element Modules, a closely arranged grouping of infrared elements that form one high watt density emitter. Use individual Arrays or nest them together to obtain the specific watt densities required for your application. Arrays can also be arranged to cover the exact area you desire.



II. Ceramic Block housing for use with Type C end caps. Block uses fuse clip design described below and encloses all electrical areas with high temperature ceramic housing.



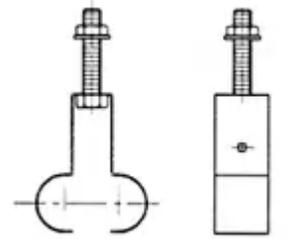
III. Snap Cap Assembly for use with Type A & C end caps. Fuse clip design allows for electrical connection and support to lamp without the hassle of lead wires. Installing or replacing lamps has never been easier.



IV. RSC Connector for use with Type L end caps. (T3 Lamps)

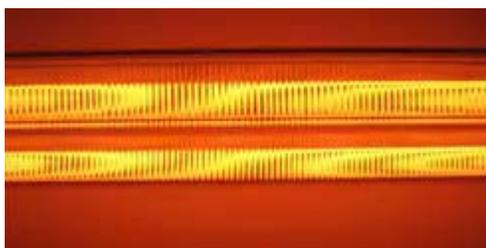


V. Clamp connector used for mounting the twin-tube emitter type J.



PRINTING REPLACEMENT LAMPS

Why buy from the middleman at a higher price when you can buy direct from the manufacturer? Fannon Products, LLC offers a large array of replacements lamps for all types of ink-jet drying systems. We can supply direct replacement lamps identical to the current lamps in your system or you can up-grade the efficiency of your system with Fannon "Goldenrod" high efficiency Infrared lamps.



Old, tired, inefficient systems can be brought up to "like new" condition by inserting Fannon "Goldenrod" lamps. All Fannon lamps are the highest of quality and can typically ship to the customer in 1 or 2 days.

The following is a list of the most common ink-jet replacement lamps. If you do not see your lamp in the following list, feel free to call and we will find it at a great price.

DRYER MAKE / MODEL	REPLACEMENT LAMP
Fannon Products, LLC	
LSHII-240-3-16	GHT521403, 3000 Watt, 240 Volt, clear GHT521406, 3000 Watt, 240 Volt, glare reduction
LSHII-240-4-25	GHT530403, 2500 Watt, 240 Volt, glare reduction
LSHII-480-4-25	GHT530403, 2500 Watt, 240 Volt, glare reduction
LSHII-480-6-25	GHT530403, 2500 Watt, 240 Volt, glare reduction

Research Type

4540-10	1000T3/CL, 1000 Watt, 240 Volt
4560-05	500T3/CL, 500 Watt, 120 Volt
4560-10	4560-10 1000T3/CL, 1000 Watt, 240 Volt 2000T3/CL, 2000 Watt, 240 Volt
4560-16HV	1600T3/CL, 1600 Watt, 240 Volt 3000T3/CL, 3000 Watt, 240 Volt IRK-3000T3/Helen, glare reduction
4560-25HV	2500T3/CL, 2500 Watt, 480 Volt
4561-16	3000T3/CL, 3000 Watt, 240 Volt IRK-3000T3/Helen, glare reduction
4561-25	2500T3/CL, 2500 Watt, 480 Volt
4570-16	1600T3/CL, 1600 Watt, 240 Volt 3000T3/CL, 3000 Watt, 240 Volt IRK-3000T3/Helen, glare reduction
4570-25	2500T3/VB/CL, 2500 Watt, 480 Volt
5060	Rapido, 1000 Watt, 240 Volt
6020	Rapido, 1000 Watt, 120 Volt Rapido, 1000 Watt, 240 Volt
6030	Rapido, 1000 Watt, 240 Volt
6040	Rapido, 1875 Watt, 240 Volt



Rapido fast response tungsten



Glare reduction HeLen emitter



Standard T-3 infrared emitter

DRYER MAKE / MODEL	REPLACEMENT LAMP
Kirk-Rudy Type	
	GHT514401, 1000 Watt, 240 Volt GHT521407, 1600 Watt, 240 Volt GHT521406, 3000 Watt, 240 Volt



RSI Type



GHT521101, 1600 Watt, 240 Volt

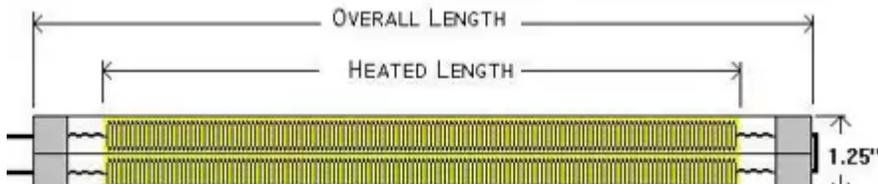
IAMSCO Type

A3000	1600T3/CL, 1600 Watt, 220-240 Volt, RSC
A3000	
A3000	
A3000	

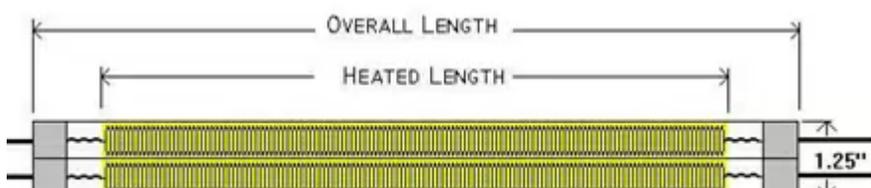
NOTE: All lamps are available in clear and/or with glare reduction sleeve.

MEDIUM & SHORT-WAVE Twin-Tube IR Lamps

Fannon Products, LLC manufactures a wide variety of "twin-tube" replacement lamps that are typically used in printing presses. These lamps are constructed with "figure-8 style" quartz tubes and utilize a gold reflector. These lamps can be made medium-wavelength or short-wavelength, and can be wired in a series connection or parallel connection.



SERIES WIRING



PARALLEL WIRING



Twin-tube short-wave emitter with series wiring