

Infrared Lamps

ITW BGK Finishing Systems uses T3 infrared, referred to as "short-wave", which have been expressly manufactured for ITW BGK. These quartz emitters are designed and constructed for high-performance to maximize your process. Their unique design includes ceramic end-seals that are more durable than traditional metal end-seals.



Short-wave energy provides the most proficient heat transfer - direct, penetrative heating from the emitter to the product. When used in an ITW BGK system, the product is exposed to "full-range" infrared. This is due to our proprietary, interior, cavity design; which provides efficient direct, reflected, and convective energy spanning all wavelengths.

Features

- Quartz tungsten halogen heat lamps
- T3 clear fused quartz envelope
- Tungsten filament halogen gas filled
- High-temperature ceramic end seals
- 5000 hour life at rated voltage

Long Life

- Life is rated at 5000 hours, based on continuous emitter operation at full rated voltage.
- Emitter life exponentially increases when used at less than full voltage (as is typical in an ITW BGK system).

Durability

- Sturdy 0.375" thick diameter quartz sheath construction.
- Durable tungsten filament is internally supported throughout the entire emitter.
- Installations in vibrating equipment have shown no loss in emitter life.

Instant Operation

- Varying the applied voltage to the emitter, the amount of power output can be varied.
- Instantaneous response time.
- Change from 0 to 100% as quickly as you adjust a dimmer switch at home.

Emitters

These emitters are available from ITW BGK:

Model #	ITW BGK Part#	Voltage	Wattage	Overall Length (mm)	Lighted Length (mm)	Operating Position	Lead Wire Length
500T3	B49875	240	500	13.7" (348)	5" (127)	H	Nickel 6"
800T3	B39322	240	800	14" (355)	8" (201)	H	Nickel 6"
1000T3	B39306	240	1000	13.7" (398)	10" (254)	H	Nickel 6"
1550T3	B39307	290	1550	22" (561)	15.8" (400)	H	Nickel 6"
1600T3	B39308	240	1600	19.7" (500)	16" (407)	H	Nickel 6"

2000T3	B39324	240	2000	13.7" (348)	10" (254)	H	Nickel 6"
2500T3	B39309	480	2500	28.7" (729)	25" (635)	H	Nickel 6"
2500T3	B39310	480	2500	28.7" (729)	25" (635)	V	Nickel 6"
2500T3	B47543	570	2500	28.7" (729)	25" (635)	H	Nickel 6"
2800T3	B53615	480	2800	36" (914)	28" (711)	H	Nickel 6"
3650T3	B39311	480	3650	41.7" (1059)	38" (965)	H	Nickel 6"
3800T3	B39312	570	3800	41.7" (1059)	38" (965)	H	Nickel 6"
3800T3	B39313	570	3800	41.7" (1059)	38" (965)	V	Nickel 6"
3800T3	B39327	415	3800	41.7" (1059)	38" (965)	H	Nickel 6"
5000T3	B39314	480	5000	61.3" (1556)	58.9" (1495)	H	Nickel 6"

Specials

Model #	ITW BGK Part#	Voltage	Wattage	Overall Length (mm)	Lighted Length (mm)	Operating Position	Lead Wire Length
1000T3	B61665-1	240	1000	13.7" (398)	10" (254)	H	Nickel 6"/ Teflon 5"
1600T3	B61665-2	240	1600	19.7" (500)	16" (407)	H	Nickel 6"/ Teflon 5"
2500T3	B61665-3	480	2500	28.7" (729)	25" (635)	H	Nickel 6"/ Teflon 5"
3800T3	B61665-4	570	3800	41.7" (1059)	38" (965)	H	Nickel 6"/ Teflon 5"
5000T3	B61665-5	480	5000	61.3" (1556)	58.9" (1495)	H	Nickel 6"/ Teflon 5"
	B39331	240	1600	19.7" (500)	16.0" (406)		
	B39330	480	2500	28.7" (729)	25.0" (635)		
	B39333	480 VB	2500	28.7" (729)	25.0" (635)		
	B39329	480	3650	41.6" (1057)	38.0" (965)		
	B39335	480 VB	3650	41.6" (1057)	38.0" (965)		
	B39327	415	3800	41.7" (1059)	38.0" (965)		
	B39328	570	3800	41.7" (1059)	38.0" (965)		
	B39334	570 VB	3800	41.7" (1059)	38.0 (965)		

VB= Lamps can also be used in Vertical Position

ITW BGK offers several infrared lamps, not all models and types have been listed in these tables. If you don't see your lamp model number, or the exact specifications you're interested in, please [contact us](#) and we'll be happy to discuss your lamp requirements.



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Orders and Questions

All orders and questions can be directed to Gordie Markstrom by [calling/faxing](#) or [emailing](#).