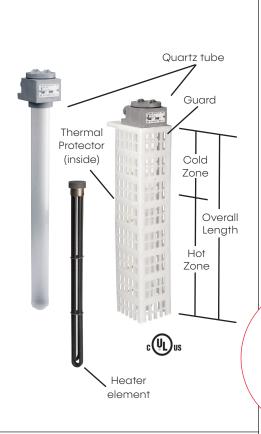


ACIDIC SOLUTIONS QUARTZ HEATER

Compatible with many aggressive chemistries. Heavy wall metal element, quartz sheath and polypropylene guards (sold independently for assembly). For use in most aqueous acidic plating solutions and pickling tanks. Check solution recommendation chart with your chemical supplier for proper sheath material selection. Single phase. 500-10000 watts, 120-600 volts.



Volts: 120 to 480 volts

> Certification: cULus listed (less

than 4000 watts).

CE certified (less than 600 volts)

FEATURES

Aqueous Plating Performance

Heavy wall quartz sheath with replaceable metal element and polypropylene guards (complete assembly).

Watt densities up to 25 watts per square inch (4 w/cm²) ensure long service life.

Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

Over temperature protection included to provide safe operation.



Watts: 500 to

10.000 watts

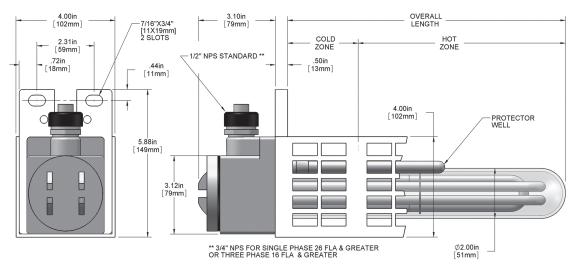
QM Quartz Heater

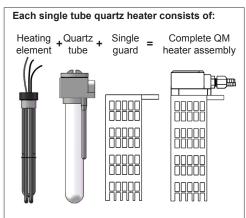
QM SERIES, QUARTZ HEATERS WITH METAL ELEMENTS						QM & 3QM SERIES GUARDS		Ship Weight	
		НОТ	OVERALL	ELEMENT	TUBE	SINGLE	TRIPLE	SINGLE	TRIPLE
WATTS	VOLTS	ZONE	LENGTH	MODEL	MODEL	GUARD	GUARD	ASSEMBLY	
			l	NUMBER	NUMBER	MODEL#	MODEL#	SHIP WT.	SHIP WT.
500	120	In./(mm)	In./(mm) 10	QM.5110E	QM.5110J-**	QM10G	3QM10G	Lbs./(kg)	Lbs./(kg) 21
500	240	(178)	(254)	QM.5210E		QIVITUG	3QIVI IUG		(9.5)
1000	120	7	11	QM1111E	QM.5210J-** QM1111J-**	QM11G	3QM11G	(4.1)	(9.5)
1000	240	(178)	(279)	QM1211E	QM1211J-**	QIVITIG	SQIVITIG	(4.5)	(10)
1000	120	7	17	QM1211E	QM1117J-**	QM17G	3QM17G	(4.5)	26
1000	240	(178)	(430)	QM1217E	QM1217J-**	QIVITAG	3QIVI I / G	(5)	(11.8)
2000	240	12	17	QM2217E	QM2217J-**	QM17G	3QM17G	11	26
2000	480	(305)	(432)	QM2417E	QM2417J-**	QIVITIO	JQIVI 17 G	(5)	(11.8)
2000	240	12	23	QM2223E	QM2223J-**	QM23G	3QM23G	14	30
2000	480	(305)	(584)	QM2423E	QM2423J-**	QIVIZOC	OQIVIZOO	(6.4)	(13.6)
3000	240	18	23	QM3223E	QM3223J-**	QM23G	3QM23G	14	30
0000	480	(457)	(584)	QM3423E	QM3423J-**	QIVIZOO	OGINEOU	(6.4)	(13.6)
3000	240	18	29	QM3229E	QM3229J-**	QM29G	3QM29G	17	34
	480	(457)	(737)	QM3429E	QM3429J-**	4,,,,,		(7.7)	(15.4)
3500	240	21	29	QM3.5229E	QM3.5229J-**	QM29G	3QM29G	17	34
	480	(533)	(737)	QM3.5429E	QM3.5429J-**			(7.7)	(15.4)
4000	240	28	35	QM4235E	QM4235J-**	QM35G	3QM35G	20	38
	480	(711)	(889)	QM4435E	QM4435J-**			(9.1)	(17.2)
4000	240	28	41	QM4241E	QM4241J-**	QM41G	3QM41G	23	44
	480	(711)	(1041)	QM4441E	QM4441J-**			(10.4)	(20)
5000	240	33	41	QM5241E	QM5241J-**	QM41G	3QM41G	23	44
	480	(838)	(1041)	QM5441E	QM5441J-**			(10.4)	(20)
5000	240	33	47	QM5247E	QM5247J-**	QM47G	3QM47G	26	48
	480	(838)	(1194)	QM5447E	QM5447J-**			(11.8)	(21.8)
6000	240	39	47	QM6247E	QM6247J-**	QM47G	3QM47G	26	48
	480	(991)	(1194)	QM6447E	QM6447J-**			(11.8)	(21.8)
6000	240	39	52	QM6252E	QM6252J-**	QM52G	3QM52G	29	52
	480	(991)	(1321)	QM6452E	QM6452J-**			(13.2)	(23.6)
8000	240	49	59	QM8259E	QM8259J-**	QM59G	3QM59G	31	55
	480	(1245)	(1499)	QM8459E	QM8459J-**			(14.1)	(25)
10000	240	62	71	QM10271E	QM10271J-**	QM71G	3QM71G	34	65
	480	(1575)	(1803)	QM10471E	QM10471J-**			(15.4)	(29.5)

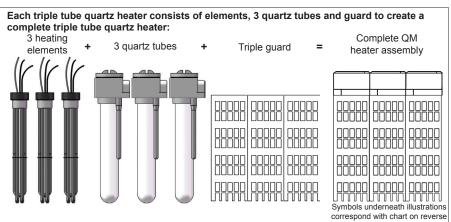
Heating element, quartz tube and single or triple guard all sold separately. Symbols in chart correspond to ordering information on reverse.

SPECIFICATIONS

Wattages	500 Watts to 10,000 Watts					
Voltages	120 Volts to 480 Volts					
Options	Replaceable thermal protectors: P4:for solutions.					
	Resettable thermal protectors: P2: for solutions. P6: for solutions.	NOTE: Not for use in hydofluoric acid or alkaline solutions.				
	Special configurations & lengths.					
	Longer wire and conduit lengths					
	Three phase elements.					
	Fluoropolymer (PTFE) guards for chromic acid or solutions over 180°F (82°C)					
	Lower watt densities for highly viscous solutions					
	Temperature and level controls sized to match the heater (sold separately).					
Safety Features	Grounded internal metal element					
	Thermal protector built in. Replaceable PI protector standard for solutions.					







SINGLE QUARTZ ELEMENT ORDERING INFORMATION

