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# Ø1" VERSATILE CERAMIC TOPPED BUTTON HEATER



The Thermic Edge Versatile ceramic topped button heater offers a variety of material combinations for element, heatshields and body, to suit different operating environments from Corrosive, high vacuum, UHV to atmosphere with O<sub>2</sub>, and temperatures from 800°C to 1400°C.

The heater is compact in design, but with high performance, offering high power density, and good hot zone uniformity. The heater can also be customised to be constructed from customer specified materials, to suit corrosive environments. Mounting is by rear M6 stud.



## SPECIFICATIONS:

Heater ref	Element	Heatshields	Body	TC	Max Temp**	Power	Environment
VB-1-0800-KA-O2	Kathal	Nickel	316 st/stl	K	800°C	240W	O <sub>2</sub> , Air
					800°C	140W	Vac (HV), O <sub>2</sub>
VB-1-1000-TU-HV	Tungsten Rhenium	Molybdenum	Molybdenum	K	1000°C	300W	Vac (HV, UV)
VB-1-1400-TU-HV		Molybdenum	Molybdenum	C	1400°C	400W	Vac (HV, UV)

M3 tabs for power connections. Max temperature at atmosphere or rough vacuum. Max temperatures may be reduced in high vacuum or UHV.

Ceramic top plate materials:

- AlN (Standard)
- PBN

Thermocouple Types:

- Type K for 1000°C
- Type C for temperatures above 1200°C

