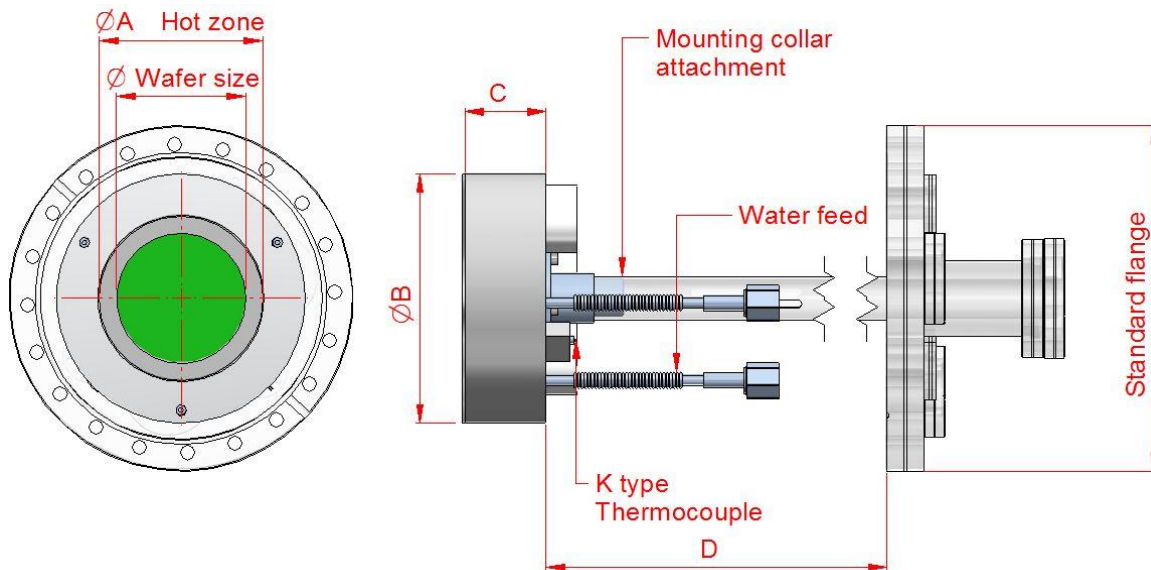


1000C Ceramic topped in vacuum flange mounted heater with water cooled body



Features

- Top plate temperature is 1000C, element temperature approximately 1200C.
- High temperature uniformity of <2% on top plate.
- Water cooled body to reduce heat load to chamber and power connection points.
- Range of element options: Carbon Carbon Composite (CCC), SiC Coated Graphite or PBN/PG/PBN
- Fast ramp rates, up to 1300C per minute (depending on power supply used)
- For use in high vacuum, UHV, inert atmosphere or O₂ (with SiC coated graphite element).
- Type K thermocouple is spring mounted to ensure constant pressure during thermal cycling.
- Element head is detachable for in chamber mounting through small ports.
- Can be mounted in any orientation.
- Higher temperatures available as a special design.
- Custom sizes available on request.
- Lift pin holes available as an option
- Thermal imaging reports supplied with all heaters



Part No	$\varnothing A$ - Hot Zone	$\varnothing B$ - Heater o.d.	C - Heater Thickness	D- Length standard flange	In Vacuum @1200C		
					Voltage Max	Current Max	Power Max
HTFW-CCC-03	77mm (3")	90	149	42	60	25	1500
HTFW-CCC-04	102mm (4")	116	175	42	60	40	2400
HTFW-CCC-05	128mm (5")	141	200	42	60	60	3600
HTFW-CCC-06	153mm (6")	166	225	42	60	80	4800
HTFW-CCC-07	179mm (7")	192	251	42	60	110	6600
HTFW-CCC-08	204mm (8")	218	277	42	60	140	8400

Use following codes to specify element type: -CCC- for carbon composite / -GSC- for graphite + SiC coating / -GPB- for graphite + PBN coating
Power, voltage and current figures are an indication only. Heaters can be made with different voltages and power densities.

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