

Model	HB-1	HB-2	HB-3
Operating temperature Range	Ambient to +200°C		
Temperature control Accuracy	±0.5°C		
Temperature display	LED/LCD		
Temperature display Resolution	0.1		
Internal/jacket temperature sensor	3-wire RTD PT-100 sensor		
External/ process sensor required	3-wire RTD PT-100 sensor		
Controller type	PID		
Communication/ interface	RS-485 mod bus (optional)		
Alarm message	Indicative		
Type of cooling	Through internal cooling coil. Provision of internal cooling to bring machine temperature to ambient by circulation external cooling water through it.		
Cooling coil end connections	3/8" BSP male		
Type of heating	Electrical		
Heating power	1kW	2kW	3kW
Machine standard Version	Air-cooled		
Circulation pump Maximum Flow	14~16 l/min		30~35 l/min
Circulation pump Maximum Pressure	0.4 bar		0.7 bar
Machine end connection	M16 x 1 male		M24 x 1.5 male
Machine overall dimension (W x D x H)	300 x 500 x 450 mm	430 x 560 x 550 mm	510 x 620 x 600 mm
MOC	Complete SS-304 construction		
Power supply	1-phase, 230V AC, 50 Hz		3-phase, 420V AC, 5Hz
Maximum current	6A	10A	8A
Ambient temperature condition	10°C~35°C		
Standard safety Features:			
Oil level low in bath	Cut-off, Indication/ message, auto reset		
Phase reversal prevention	NA		Cut-off, Indication/Message, manual reset
Over temperature Protection	Cut-off, indication/ message, auto reset		

- Since Development is a continuous process, above specifications can change without prior notice.
- The temperature mentioned above is at outlet of the machine hence temperature inside the process/ load may vary due to various factors like process design, distance, head, insulation etc.

Model	HTC-1	HTC-2	HTC-3
Operating temperature Range	Ambient to +350°C		
Temperature control accuracy	±0.5° C		
Temperature display	LED/LCD		4.3" touch screen display
Temperature display resolution	0.1		0.01
Internal/ jacket temperature sensor	3-wire RTD PT-100 sensor		
External/ process sensor	3-wire RTD PT-100 sensor		
Controller type	PID		
Communication/ interface	RS-485 mod bus (optional)		
Alarm message	Indicative		
Type of cooling	Through internal cooling coil. Provision of internal cooling coil to bring machine temperature to ambient by circulation external cooling water through it.		
Cooling coil end connections	3/8" BSP male		
Type of heating	Electrical		
Heating power	3kW	6kW	12kW
Machine standard version	Air-cooled		
Circulation pump maximum flow	30~35 l/min		50~55 l/min
Circulation pump maximum pressure	0.7 bar		
Machine end connection	M24 x 1.5 male		
Machine overall dimension (W x D x H)	410 x 410 x 700 mm	600 x 600 x 900 mm	900 x 900 x 1100 mm
Control panel overall dimension (W x D x H)	300 x 300 x 300 mm		
MOC	Complete SS-304 construction		
Power supply	1-phase, 230V AC, 50Hz	3-phase, 420V AC, 50Hz	
Maximum current	18A	12A	22A
Ambient temperature condition	10°C~35°C		
Standard safety features			
Over pressure protection	Cut-off Indication, auto reset		

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