

Model	HCB-1	HCB-2	HCB-3
Operating temperature Range	-25°C to + 175°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	Refrigerated		
Refrigerant	R-404a, CFC free		
Cooling power with	Methanol		
@ 0°C	0.4kW	1.1kW	1.5kW
@-10°C	0.2kW	0.7kW	1kW
@-25°C	0.05kW	0.3kW	0.45kW
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	M16 x 1.5 male	M24 x 1.5 male
Machine overall dimension (W x D x H)	300 x 500 x 710 mm	420 x 520 x 1000 mm	510 x 620 x 1050 mm
MOC	Complete SS-304 construction		
Power supply	1-phase, 230V AC, 50 Hz		3-phase, 420V AC, 50Hz
Maximum current	8A	12A	8A
Ambient temperature condition	10°C~35°C		
Standard safety features:			
Oil level low in bath	Cut-off, Indication/message, auto reset		
Over temperature protection	Cut-off, Indication/message, auto reset		
Phase reversal prevention	NA		Cut-off, Indication/message, manual reset
Compressor over pressure	Cut-off, Indication/message, manual reset		
Compressors overheat	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.