

# COOLING SOLUTION



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**HEXACOOOL**  
PROCESS COOLING

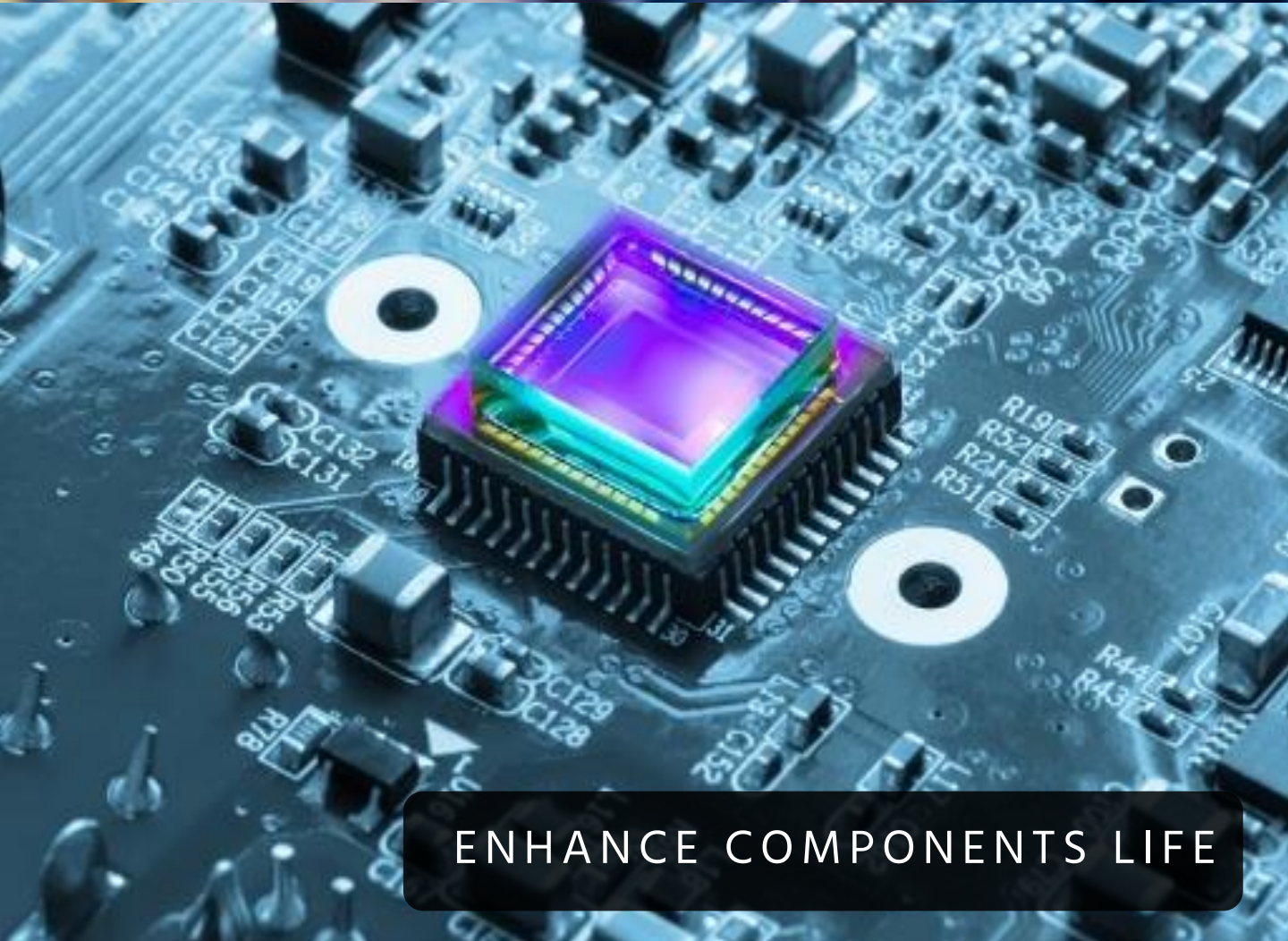
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SELECTING THE RIGHT INDUSTRIAL COOLING SOLUTION MAY APPEAR CHALLENGING. HOWEVER, HEXACOOOL PRODUCT SELECTION TOOL WILL HELP YOU TO SELECT PROPER COOLING UNIT ACCORDING TO YOUR REQUIREMENT.

[WWW.HEXACOOOL.IN](http://WWW.HEXACOOOL.IN)



REMOVE OVERHEATING



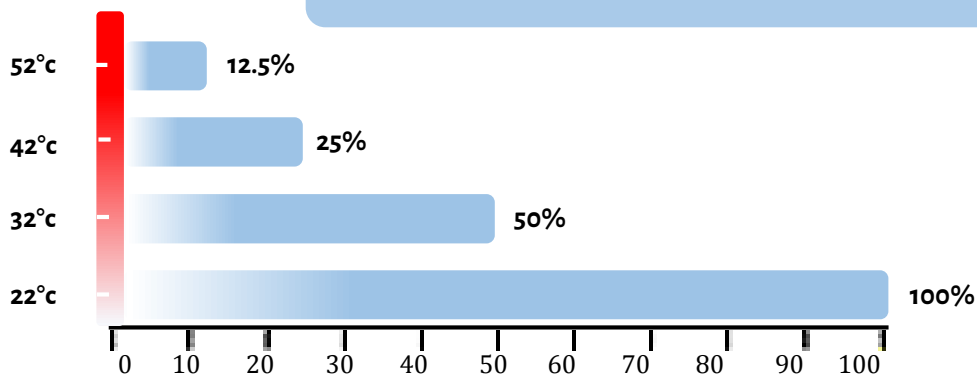
ENHANCE COMPONENTS LIFE

# REMOVE CONDENSATION

## WHY USE COOLING ?

HEAT DAMAGES AND REDUCES THE LIFE OF YOUR ELECTRONICS

ELECTRONICS LIFE EXPECTANCY IS REDUCED BY HALF WITH EVERY 18°F RISE ABOVE ROOM TEMPERATURE



**ELECTRONICS LIFE EXPECTANCY = %**

SOURCE: DIGITAL EQUIPMENT CORPORATION

Keeping your electronics cool is essential to maximizing the life cycles of your electronic devices, reducing capital expenses, and keeping your business running. Heat can have a significant impact on electronics, reducing performance, causing damage, and affecting manufacturer warranties.

# PANEL AIR CONDITIONER



Hexacool panel air conditioner present to you protection against heat dust and humidity for trouble the performance of your vital and expensive electronic equipment. Hexacool air conditioner are universal in terms of its Adaptability owing to a Portfolio of models that has emerged as a result of rich and long experience in the field of thermal engineering. This are designed, manufactured and tested at the factory.

The panel air conditioner are easy to install and are supported with plant trained experts with immediate access to common spare parts. The unit feature a rugged design durable for inside and outside application. Built in quality along with Hexacool role is sales support, make the panel air conditioner a logical choice for the specific cooling of sensitive electrical enclosure.

## **STANDARD PANEL AC VARIENTS :**

- ❖ Door and side mounting
- ❖ Duct/hose mounting

## **FEATURES :**

### ❖ Air Flow :- Two Circuit

1. Internal circuit :- this is circulate cool air in the panel.
2. External circuit :- this is dissipates extracted heat to the atmosphere.

❖ **COOLING CIRCUIT** : In this compressor, metering device and refrigerant equipments.

❖ **TEMPERATURE CONTROLLER** : Microprocessor with LED display and easy to access machine interface. It includes Adjustable Time Delay, Set Temperature, High and Low Limit and etc.

❖ **ALARM** : Where required, Potential free output for High Temperature Alarm can be provide with Electronic Temperature Controller.

❖ **DRAIN PIPE** : To remove condensate in the panel.



**DRAINLESS  
DEIGN**

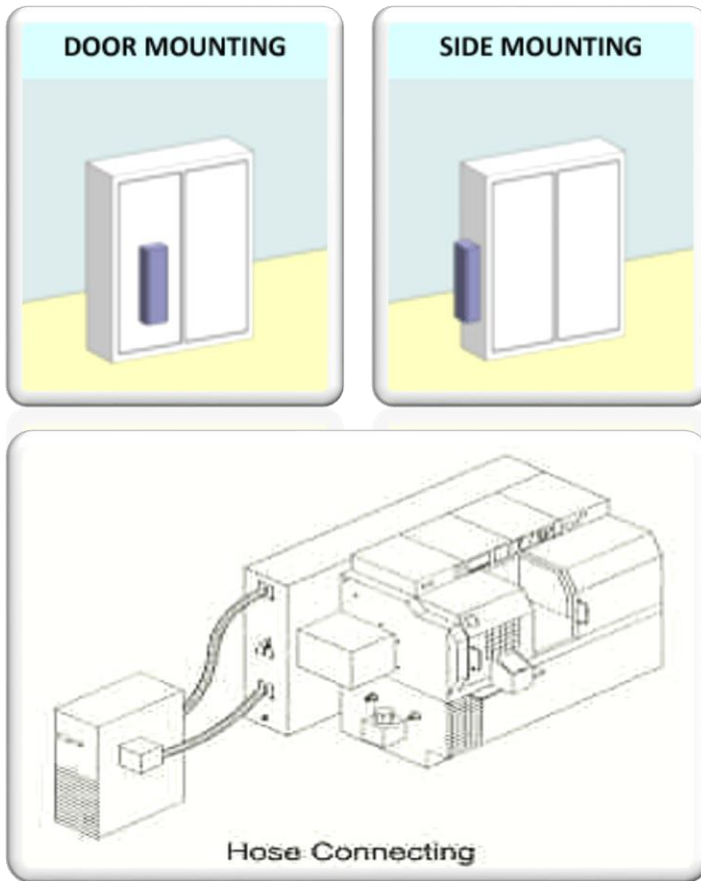


**DIGITAL  
DISPLAY**



**ENVIRONMENT  
FRIENDLY**

# PANEL AIR CONDITIONER



## **APPLICATION :**

- ✓ CNC MACHINE TOOLS
- ✓ TELECOM EQUIPMENT
- ✓ ROBOTICS
- ✓ PROCESS CONTROL EQUIPMENTS
- ✓ AUTOMATION
- ✓ TEXTILE MACHINE
- ✓ FURNACE AND ELEVATOR CONTROL
- ✓ PLASTIC INDUSTRY
- ✓ DRIVER PANEL
- ✓ COMPUTER/SERVER

## **TECHNICAL SPECIFICATION :**

- ❖ Panel Air Conditioner can maintain 5°C less than the site temperature
- ❖ Set Temperature range between 27 to 30°C is ideal for most panels
- ❖ Panel need to be completely closed

Model	Compressor	Capacity (W)	Type	Refrigerant	Ø	Power (KW)	Current (A)	Dimensions (HxWxD)
HC000X1AC	Reciprocating	250	Vertical	R134a	1PH	0.20	1.6	480x300x250
HC000X2AC	Reciprocating	600	Vertical	R134a	1PH	0.26	2.0	480x300x250
HC000X3AC	Reciprocating	1000	Vertical	R134a	1PH	0.60	3.5	700x350x275
HC000X5AC	Reciprocating	1500	Vertical	R134a	1PH	0.82	3.6	700x350x275
HC000X6AC	Reciprocating	2000	Vertical	R134a	1PH	0.95	5.3	700x350x275
HC001X0AC	Reciprocating	3500	Vertical	R134a	1PH	1.60	7.8	1000x400x380
HC001Y0AC	Reciprocating	3500	Vertical	R134a	3PH	1.50	3.7	1000x400x380
HC002X0AC	Reciprocating	7000	Vertical	R134a	1PH	3.70	16.5	1000x400x380
HC000X3DC	Reciprocating	1000	Horizontal	R134a	1PH	0.60	3.4	700x450x500
HC000X5DC	Reciprocating	1500	Horizontal	R134a	1PH	0.93	4.4	700x450x500
HC000X6DC	Reciprocating	2000	Horizontal	R134a	1PH	1.10	5.5	700x450x500
HC001X0DC	Reciprocating	3500	Horizontal	R134a	1PH	1.60	7.9	875x550x550
HC002X0DC	Reciprocating	7000	Horizontal	R134a	1PH	2.80	12.3	875x550x550
HC003X0DC	Reciprocating	10500	Horizontal	R134a	1PH	3.90	14.7	1150x700x650



A water chiller is a device used to lower the temperature of water. Most chillers use refrigerant in a closed loop system to facilitate heat exchange from water where the refrigerant is then pumped to a location where the waste heat is transferred to the atmosphere.

Hexacool closed loop Water Chillers are used to provide chilled water at a precise temperature to sensitive water cooled equipment. Designed to work in hostile industrial environment, these chillers are appreciably reducing costs in a broad range of industries.

Our Chillers for process cooling and equipment cooling enhance production processes and lower operating costs.

Unlike a cooling tower which may provide adequate cooling during certain months but fail during the hotter months, Hexacool Water Chillers maintain constant cooling temperature in the equipment right through the year.

## **TYPES OF WATER CHILLER :**

- ❖ AIR-COOLED WATER CHILLER
- ❖ WATER COOLED WATER CHILLER

## **FEATURES :**

- ❖ Evaporator Strainer
- ❖ Compressor (Scroll, Sealed, Reciprocating)
- ❖ Brazed Plate Evaporator
- ❖ Process Pump Pressure Gauge
- ❖ Refrigerant (R22,R134A)
- ❖ Scroll and Function buttons allow you to navigate the chiller's control parameters.
- ❖ Selectable temperature control point; choose between To Process, From Process or Average.
- ❖ Five status lights that show pump, hot - gas by pass, compressor, alarm and temperature units selection status.
- ❖ Auto-tune capabilities allow to you optimize your chiller to achieve maximum efficiency.



**AIR COOLED CHILLER**

# CHILLER



## **APPLICATION :**

- ✓ LASER INDUSTRIES
- ✓ PLASTIC INDUSTRIES
- ✓ PACKAGING INDUSTRIES
- ✓ PAPER & CEEMENET PROCESSING INDUSTRIES
- ✓ FOODS AND BEVERAGES
- ✓ PHARMACEUTICAL AND CHEMICAL INDUSTRIES
- ✓ MACHINE TOOLS
- ✓ TEXTILE INDUSTRIES

Model	Compressor	Capacity (TR)	Refrig. Circuit	Refrigerant	Ø	Power (KW)	Amp (A)	Dimensions (HxWxD)
HC000X3	Reciprocating	0.3	1	R134a	1PH	1.20	5.50	700x280x600
HC000X5	Reciprocating	0.5	1	R134a	1PH	1.55	9.70	900x550x550
HC001X0	Reciprocating	1	1	R134a	1PH	2.33	10.65	1200x650x650
HC001Y0	Reciprocating	1	1	R134a	3PH	2.33	7.20	1200x650x650
HC002X0	Reciprocating	2	1	R22/R407c/R134a	1PH	3.30	17.50	1200x650x650
HC002Y0	Reciprocating	2	1	R22/R407c/R134a	3PH	3.30	7.50	1200x650x650
HC003Y0	Reciprocating	3	1	R22/R407c/R134a	3PH	6.50	12.90	2050x840x1260
HC004Y0	Reciprocating	4	1	R22/R407c/R134a	3PH	7.00	14.50	2050x840x1260
HC005Y0	Reciprocating / Scroll	5	1	R22/R407c/R134a	3PH	7.30	14.80	2050x840x1260
HC006Y0	Scroll	6	1	R22/R407c/R134a	3PH	7.47	15.00	2050x840x1260
HC007Y0	Scroll	7	1	R22/R407c/R134a	3PH	10.06	24.00	2070x840x1560
HC008Y0	Scroll	8	1	R22/R407c/R134a	3PH	13.16	27.00	2070x840x1560
HC010Y0	Scroll	10	1 & 2	R22/R407c/R134a	3PH	14.06	29.00	2070x1155x1990
HC012Y0	Scroll	12	1 & 2	R22/R407c/R134a	3PH	15.61	29.70	2070x1155x1990
HC015Y0	Scroll	15	1 & 2	R22/R407c/R134a	3PH	17.65	41.04	2070x1155x1990
HC017Y0	Scroll	17	1 & 2	R22/R407c/R134a	3PH	24.36	44.03	2070x1155x1990
HC024Y0	Scroll	24	1 & 2	R22/R407c/R134a	3PH	29.10	57.00	2070x1155x1990
HC030Y0	Scroll	30	1 & 2	R22/R407c/R134a	3PH	37.20	60.05	2190x1860x2890
HC040Y0	Scroll	40	1 & 2	R22/R407c/R134a	3PH	50.20	95.50	2190x1860x2890

# COMPRESSED AIR DRYER



A compressed air dryer is a piece of equipment designed to separate water vapor or moisture (de-humidify) from industrial process air. In the typical system, a compressor draws in humid air and compresses it, which raises the air temperature and then cooling the air condensing water vapor out of the unit.

The Refrigeration Dryer consists of an air drying unit with centrifugal cum demister pad condensate separator and a refrigeration circuit. The refrigeration circuit consists mainly of a compressor, a condenser, a receiver, a volume liquid accumulator with liquid refrigerant and an evaporator. The air drying unit consists of two kinds of heat exchangers, one is air to air heat exchanger and

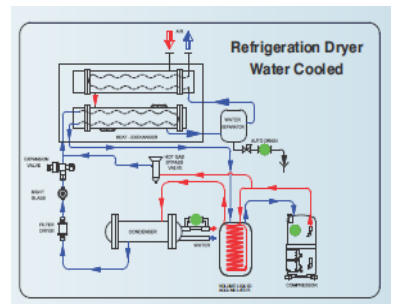
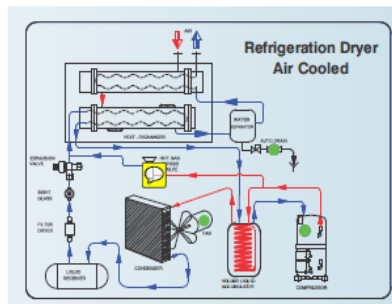
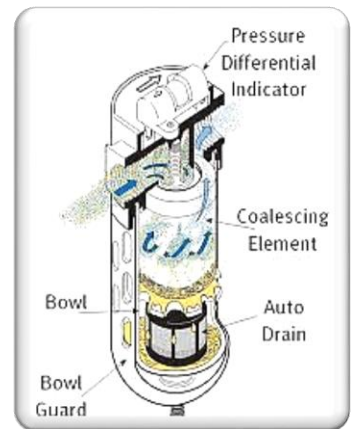
second is refrigerant to air heat exchanger.

Untreated compressed air contains water, dirt, oil and other waste particles which will mix together to form unwanted abrasive slurry, this abrasive slurry, generally acidic in nature, will cause wear in pneumatic machinery, valves, orifice etc. causing frequent high maintenance breakdowns and costly air leaks. A typical compressed system wastes approximately 35% air due to "leakages" which are mainly caused due to corrosion.

It is thus very essential to install a suitable Air Purification System to meet individual needs.

## **FEATURES :**

- ❖ Provides best pressure dew point from +3°C to +4°C
- ❖ Proprietary Heat Exchanger
- ❖ Filled with Eco-friendly refrigerant
- ❖ Energy saving
- ❖ Designed specially for tropical conditions
- ❖ Unique Volume Liquid Accumulator
- ❖ Compact design
- ❖ Low Pressure Drop
- ❖ Consistent Dew Point
- ❖ Power Saving
- ❖ Non-cyclic System
- ❖ Ease of Installation
- ❖ Environment Friendly
- ❖ Reduced Maintenance





# COMPRESSED AIR DRYER

## STANDARD WORKING PARAMETERS :

- ❖ Pressure : 7.0 kg/cm(g)
- ❖ Max. Working Pressure : 14kg/cm(g)
- ❖ Air Inlet Temperature : 38°C
- ❖ Ambient Temperature : 38°C
- ❖ Water Pressure : 3-6 kg/cm(g)
- ❖ Water Inlet Temperature : 32°C

## APPLICATION :

- ✓ AUTOMOBILE INDUSTRY
- ✓ CHEMICAL INDUSTRY
- ✓ ELECTRONICS INDUSTRY
- ✓ GLASS INDUSTRY
- ✓ TEXTILE INDUSTRY
- ✓ PHARMACEUTICAL INDUSTRY
- ✓ FOOD AND BEVERAGES INDUSTRY

Model	Capacity			DIMENSIONS (mm)			CONNECTION (inch)		CONN. LOAD (KW)
	CFM	CMH	LTR/sec	L	AIR	WATER	AIR	WATER	
HC-18 A	10.6	18	5	880	465	700	1/2" BSP.	-	0.29
HC-54 A	32	54	15	880	465	700	1/2" BSP.	-	0.38
HC-110 A	65	110	31	880	465	830	3/4" BSP.	-	0.47
HC-150 A	88	150	42	1100	465	830	1" BSP.	-	0.62
HC-180 A	16	180	50	1100	465	830	1" BSP.	-	0.62
HC-220 A	130	220	62	1100	465	830	1" BSP.	-	0.93
HC-290 A	170	290	81	1200	465	830	1" BSP.	-	0.93
HC-360 A	212	360	101	1250	600	950	2" F.	-	1.47
HC-430 A	254	430	120	1250	600	950	2" F.	-	1.47
HC-540 A	318	540	151	1250	600	950	2" F.	-	1.75
HC-600 A	355	540	168	1250	700	950	2" F.	-	1.94
HC-720 A	424	720	202	1300	750	1000	2" F.	-	2.41
HC-850 A	500	850	238	1300	750	1000	3" F.	-	2.72
HC-970 A	572	970	272	1300	750	1000	3" F.	-	2.72
HC-1060 A	624	1060	297	1480	900	1200	3" F.	-	3.22
HC-1150 A	678	1150	322	1480	900	1200	3" F.	-	3.22
HC-1270 A	749	1270	356	1480	900	1200	3" F.	-	3.86
HC-1350 A	795	1350	378	1480	900	1200	3" F.	-	3.86
HC-1690 A	996	1690	473	1480	1000	1270	4" F.	-	4.93
HC-1910 A	1124	1910	535	1650	1050	1320	4" F.	-	6.02
HC-2160 A	1271	2160	605	1650	1050	1320	4" F.	-	6.85
HC-2550 A	1500	2550	714	1800	1200	1500	4" F.	-	8.24
HC-2880 A	1695	2880	806	1800	1200	1500	4" F.	-	10.48

# MOULD TEMPERATURE CONTROLLER: (OIL & WATER)



HF Series MTC provide maximum efficiency for all your processing applications. Owing to its advanced microprocessor controller display operation, our temperature controller provides stable temperature during the molding process in various industries. Easy mobility, low maintenance and flawless performance are some of the characteristics of our controller. We are well known for complete reliability & excellent after Sales services.

## **OPTIONS :**

- ❖ Solenoid valves on process inlet/outlet connections
- ❖ Solenoid valves & NRV on process inlet/outlet connections
- ❖ Inlet/outlet manifold
- ❖ High temperature steel braided hose pipe

## **FEATURES :**

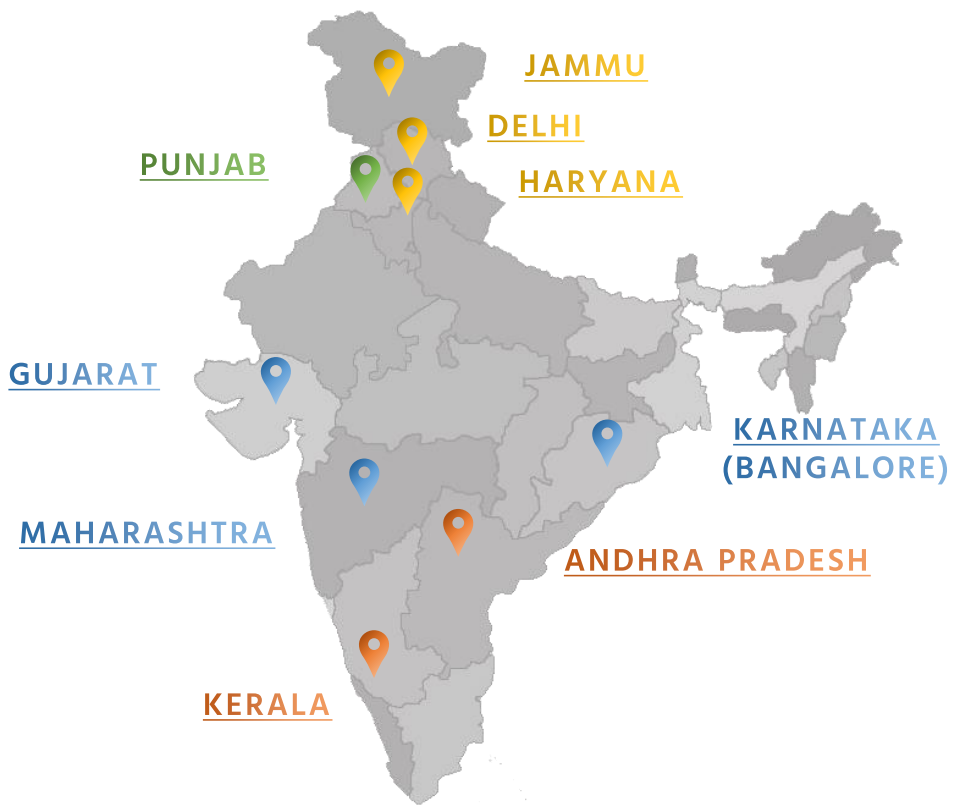
- ❖ Oil based system for maximum 150°C temperature and water based system for maximum 95°C temperature.
- ❖ Easy to operate.
- ❖ Painted with P.U. paint.
- ❖ Corrosion proof material in water line.
- ❖ User friendly control and fault indication.
- ❖ Overload protection of pump.
- ❖ Audible alarm for fault indication
- ❖ Digital display of set and actual value on screen.
- ❖ High flow and high pressure powerful pump.
- ❖ Dry running protection of pump by level monitoring device.
- ❖ Automatic water refilling provision in water based unit.

Model	HC-3	HC-6	HC-9	HC-12	HC-18	HCW-3	HCW-6	HCW-9	HCW-12	HCW-18
Circulating media	OIL	OIL	OIL	OIL	OIL	WATER	WATER	WATER	WATER	WATER
Heating Capacity KW	3	6	9	12	18	3	6	9	12	18
Max. Temp. Degree	150	150	150	150	150	95	95	95	95	95
Nominal Cooling Capacity KW	20	20	20	28	28	20	20	20	28	28
Pump Pressure Bar	3.8	3.8	3.8	5.0	5.0	3.8	3.8	3.8	5.0	5.0
Pump Motor KW	0.5	0.5	0.5	2.2	2.2	0.5	0.5	0.5	2.2	2.2
Flow Rate lpm	65	65	65	100	100	65	65	65	100	100
Tank Volume L	16	16	16	45	45	16	16	16	45	45
Weight Kg	60	60	60	135	135	60	60	60	135	135
Dimension mm	680Hx354Wx825D			1000x403x825		680Hx354Wx825D			1000x403x825	
Operating Voltage	415V, 50 Hz, 3 Phase									
Control Voltage	230 V									

# OUR CLIENTS



# OUR SALES & SERVICE PATNERS





“

Perfection is our motto, to provide ideally engineered, quality driven and innovative solution for control and automation under one roof.

For us our clients are not just customers but our partners in progress... And thus we cherish a desire for a long lasting relationship with all of them...

”



**HEXACOOOL**  
PROCESS COOLING

O F F I C E & F A C T O R Y

**CORPORATE OFFICE & UNIT - I**

PLOT NO. 9, KARMABHUMI  
ESTATE, BAKROL-DHAMATVAN  
ROAD, BAKROL, AHMEDABAD,  
GUJARAT - 382210

**UNIT - II**

PLOT NO.1,TIRTHBHUMI INDUSTRIAL  
ESTATE, BAKROL-GATRAD ROAD,  
BAKROL, AHMEDABAD,  
GUJARAT-382433

OTHER CITY : SURAT | VADODARA | RAJKOT | JAMNAGAR | VAPI  
BANGALORE | PUNE | NASHIK | PUNJAB | DELHI