
Solution to economical, effective and sustainable cooling.

decacool Water Chiller

In places having constant demand of fresh, running cold drinking water, often the products available in the market are expensive and do not serve their purpose. There is always a waiting time for cold water when demands are high, especially during summers!

decacool water chiller is a go to solution for readily available fresh, running cold drinking water for your direct use! Our water chiller eliminates the need to having multiple water cooling and dispensing stations, has extremely low running costs and negligible maintenance. decacool water chiller can provides a single point distribution solution as compared to traditional systems.



decacool water chiller features –

- **Polyester powder coated chassis** ensures long life in all environments
- **Environment friendly refrigerant** in our product ensures sustainability.
- **Microprocessor based Smart digital controller** is user friendly and gives the user full control of all settings!
- **Water temperature sensor and Anti-freeze sensor** ensures reliability of the product in case of no water in the incoming system.
- **Plate type heat exchanger**, Stainless steel plates ensures long life and effective cooling of water.
- **Inbuilt water pump** gives a compact design to the chiller



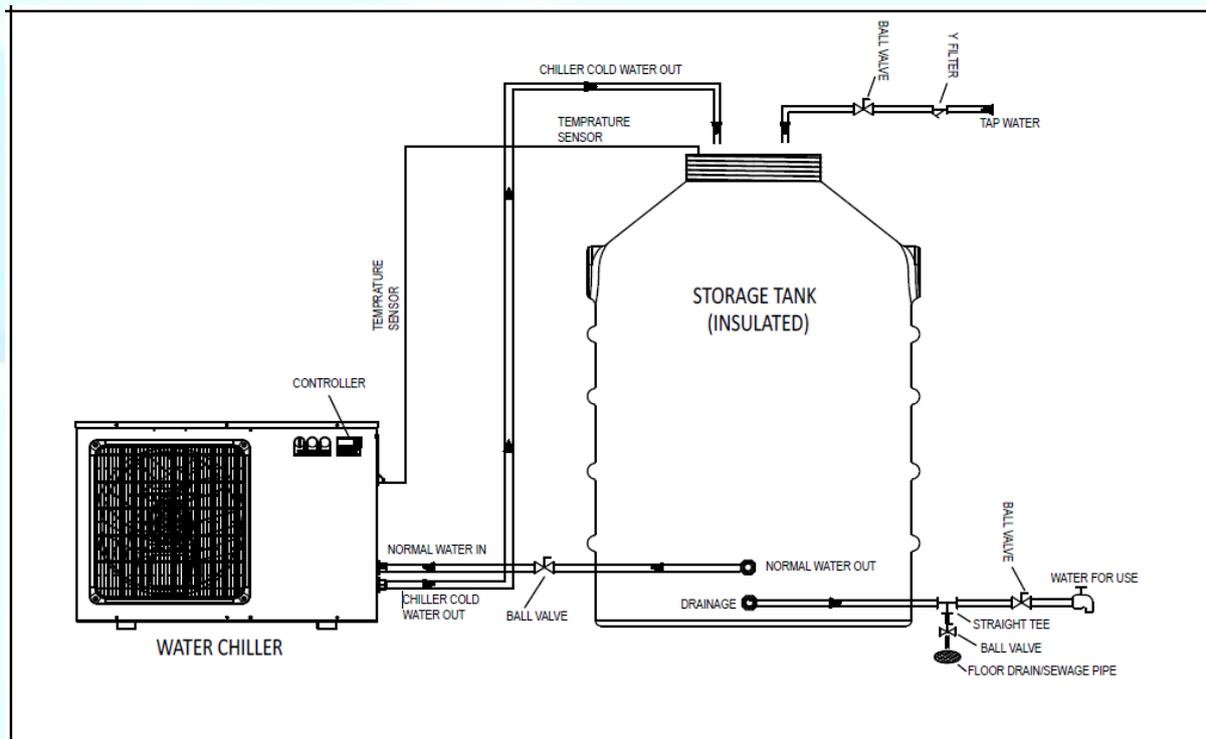
Applications –

- Commercial buildings, Malls
- Apartments, Hospitals
- Hotels, resorts
- RO Water distributors
- Any place with constant drinking water demand

decacool Water chiller Working Principle –

At a common point, an insulated storage tank collects the drinking water. This tank is connected to the chiller, and with the help of a circulation pump, water is continuously circulated through the chiller unit.

Our Chiller uses gas refrigerant for its operations. In the whole circuit, when the low temperature refrigerant gas flows through the plate type heat exchanger, it absorbs heat from the water, which is separated only by a thin stainless-steel sheet. This water is flown back to the insulated tank. This repeated cycle makes sure that the water in the storage tank is cooled.



decacool Water chiller Specifications -

Model		DC-2T-ODU-PHE	DC-3T-IND-PHE	DC-5T-IND-PHE
Nominal Capacity	KW	7.0	10.0	16.5
	TR	2.0	3.0	5.0
Power supply		240 V, 50 Hz, 1 Ph	240 V, 50 Hz, 1 Ph	380 ~ 415 V, 50Hz, 3 Ph
Nominal Capacity @ 35 deg Ambient	KW	7.0	10.0	16.5
	TR	2.0	3.0	5.0
Nominal Capacity @ 46 deg Ambient	KW	5.3	7.8	12.9
	TR	1.5	2.2	3.7
Rated Power @ 35 deg Ambient	KW	2.5	3.8	5.4
Current	A	10.9	16.1	14.1
Compressor	Type	Reciprocating	Reciprocating	SCROLL
	Model	COPELAND	COPELAND	COPELAND
	Qty	1	1	1
Refrigerant		R22 / R32 / R410	R22 / R 410 / R32	R 410 / R32
Evaporator	Type	AISI 316 SS, Brazen plate Heat exchanger	AISI 316 SS, Brazen plate Heat exchanger	Tube in tube heat exchanger
	Qty	1	1	1
Condenser	Type	Fin & Tube	Fin & Tube	Fin & Tube
	Copper	IGT	IGT	IGT
	Tube Dia	7 mm	9.52 mm	9.52 mm
	Rows	2 Row	2 Row	3 Row
	Al Fin	Hydrophilic	Hydrophilic	Hydrophilic
Condenser fan	Motor	55 W	250 W	420 W
	Fan	16.5 inch	18 inch	20 inch
	Airflow	3200 CMH	5380 CMH	7100 CMH
	Qty	1	1	1
Chiller water connection	Inlet	3/4 INCH	3/4 INCH	1"
	Outlet	3/4 INCH	3/4 INCH	1"
Refrigerant		R 410	R 410	R 410
Dimensions (W X H X D)	Unit	950 X 650 X 350	840 X 700 X 610	950 X 830X 800
Water Pump		0.2 HP	0.2 HP	0.5 HP
Flow rate		18 LPM	18 LPM	25 LPM
Weight	kg	55	100	120



decacool Industrial chiller can be applied for heavy duty oil chilling in hydraulic machines also.



decacool coolant-based radiator can be used for temperature controlling applications.



For more information -

Kale Group of Industries commenced its activities in 1996 with a powder surface coating division. With its consistent pricing, high quality standards and just in time deliveries, Kale Group is now operating from 11 locations pan India.

Kale group has its presence in three main product verticals –

- **Refrigeration**: Roll bond evaporators, fin evaporators, filter driers, Cu-Al suction assembly, sheet metal press components (painted and unpainted), aluminium tubes, water chillers, oil chillers.
- **Air conditioning**: Air conditioner ODU, IDU, Heat pumps, connecting kit, heat exchanger coils, return bends, header assembly.
- **Electrical**: Metal flush boxes, surface boxes, distribution boxes (standard and non-standard)

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