

Intelligent Process Cooling Solutions

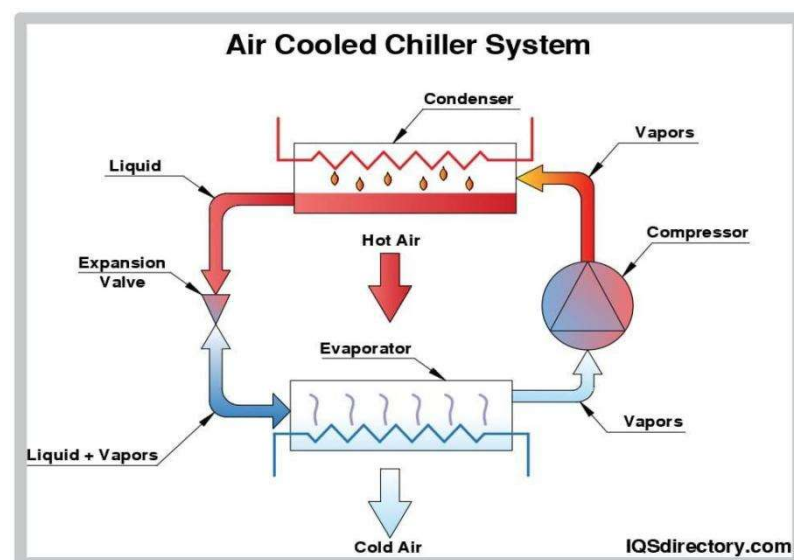
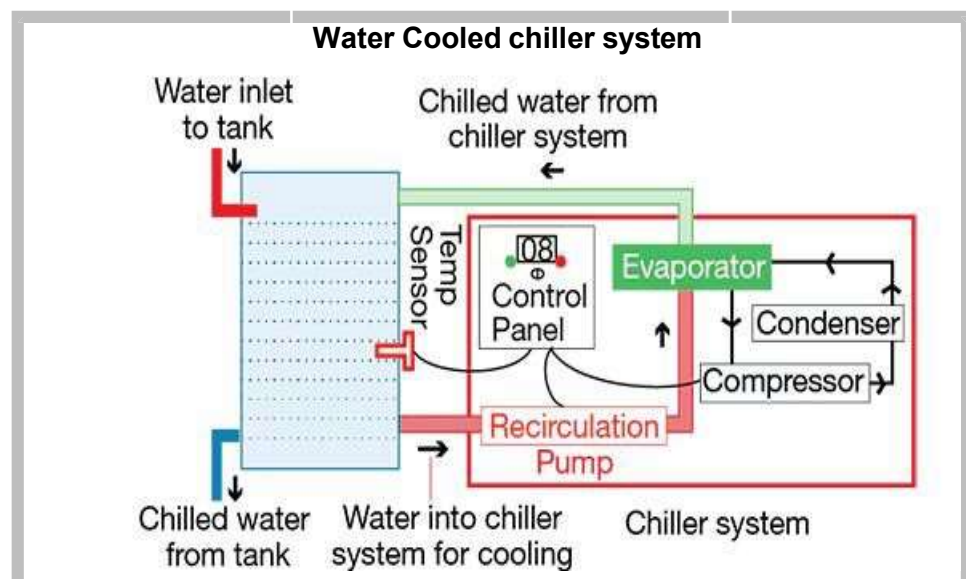
Golden Opportunity: FREE Expert Health And Service Assessment Visit or Any Make Chiller! Chiller Rentals Also Available!

Introduction:

MAGTrans Systems Private Limited is an amalgamation of our 45 years in the field of Climatic Simulation Systems and Refrigeration Technologies by serving Indian customers with state-of-the-art German Systems for decades. We offer quality products and systems from leading National and International "We are an Authorized Dealer for Werner Finley (manufacturer of Industrial Chillers and Panel Air Conditioners) in Telangana Region-India".

Established in 1986, **Werner Finley** began as one of the very few Indian companies to provide a wide range of **process cooling solutions** for several applications. In simple terms, process cooling is the mechanism used to eliminate heat from any industrial process. With more than 3 decades of establishing a strong footing in the industry, today, the company takes pride in being the leading manufacturer for process cooling equipment in the country and is witnessing a rapidly growing global presence.

Circuit Diagrams:



The refrigeration cycle starts with a low-pressure liquid/gas mix entering the evaporator. In the evaporator, heat from the process water or water/glycol solution boils the refrigerant, which changes it from a low-pressure liquid to a low-pressure gas. The low-pressure gas enters the compressor where it is compressed to high-pressure gas. The high-pressure gas enters the condenser where ambient air or condenser water removes heat to cool it to a high-pressure liquid. The high-pressure liquid travels to the expansion valve, which controls how much liquid refrigerant enters the evaporator, thereby beginning the refrigeration cycle again.

Choosing a chiller over a cooling tower : Choosing a chiller offers several advantages over opting for a cooling tower, including superior efficiency, precise temperature control, reduced water consumption, and minimized environmental impact. Chillers are used to reduce noise, vibration, and heat from a machine.

Applications of Chillers:

- ❖ Automotive Industry
- ❖ Biotechnology
- ❖ Printing
- ❖ Data Centers
- ❖ Plastic Industry
- ❖ HVAC Systems
- ❖ Chemical Industry
- ❖ Research and Development
- ❖ Pharmaceutical Industry
- ❖ Semi-Conductors
- ❖ Aerospace Industry
- ❖ Medical Technology
- ❖ Machinery and Plant Engineering
- ❖ Botanic Extraction
- ❖ Food Processing Industry
- ❖ Concrete Batching Plants
- ❖ Novel Food etc.....



Werner Finley Product Range:

1. Chillers
 - 1.1 Air Cooled Water Chillers
 - 1.2 Air Cooled Oil Chillers
 - 1.3 Air Cooled Coolant Chillers
 - 1.4 Air Cooled Modular Chillers
 - 1.4 Air Cooled Glycol Chillers
 - 1.5 Water Cooled Water Chillers
 - 1.6 Water Cooled Glycol Chillers
 - 1.7 Water Cooled Modular chillers
 - 1.8 Inverter Coolant and Water Chillers
2. Panel Air Conditioners
 - 2.1 Vertical Panel Air Conditioners
 - 2.2 Ductable Panel Air Conditioners
3. Dehumidifiers



Advantages of Werner Finley Chillers over other makes:

S.NO	Parameters	Werner Finley	Other Makes
1	Widest Range	0.3 kW to 2000kW	Restricted to smaller capacity range.
2	Domain Knowledge	Rich domain knowledge of more than 60 applications.	Restricted to few applications.
3	Carbon Footprint	Less carbon footprint by infusing inverter technology thereby saving electrical power consumption.	Comparatively higher carbon footprint.
4	Certifications	In-house product development team ISO 9001- 2015,14001-2015, OHSAS 18001-2015 certified manufacturing Facility.	Restricted to only ISO.
5	Customer Support	24/7 customer support, covering over 60 locations in India and globally	confined to specific regions/zones and also lack of global presence.
6	Improved Design	Improved condenser design ensures operations upto +50 deg C and 13% higher energy efficiency.	Poor performance in high ambient conditions.
7	Built in redundancy	Chillers with built-in redundancy for uninterrupted production and are available from 35kW onwards for critical applications.	Lack of built-in redundancy concept.
8	Branded Components	Premium branded components	Non-Premium branded components.
9	Compact	WF chillers are compact in size thereby reducing the footprint.	Comparatively higher.

Major Clients List Industry wise:

Automobile Industry:



Machine Tool Industry:



Plastic Industry:



Pharma Industry:



Research Laboratories:



Defence:



X-Ray Spectrometer Industry:



ADDITIONAL SERVICES:

❖ Rental Chiller

At MAGTrans we serve a wide variety of customers from various industrial sectors & applications. From time to time we have observed & understood the needs of emergency support.

Rental Chiller benefits our customers for their emergency needs.

Be it a breakdown of an existing chiller unit, a pre-purchase trial, research & development, delaying capital investments or any kind of temporary arrangement one needs.

From as low as monthly rental periods, various cooling capacities from 1TR to up to 100TR are offered on rental services.

Our Contact Details:

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