



Water-Cooled-Chiller



Mellcon range of water cooled water chiller represents the ideal solution for the water cooling of Industrial process Water Systems & designed to facilitate quick installation. We offer water cooled chilled water plants in sizes ranging from 5-Tr to 150 -Tr . These water chillers system find application in brine chilling, glycol chiller applications for low temperatures . Also centralised Chilled water plants .

Salient Features of Water Cooled Chillers

- Package water chillers are compact skid mounted systems , ready to install.
- water Chillers are Fully automatic with tried & tested controls.
- Mellcon water Chillers ensure Quick chilling with plate type evaporator / shell & tube evaporators..
- Water chillers ensure Energy saving with high efficiency condensers .
- Load testing as per ASHRAE standards before dispatch.
- Guaranteed cooling capacity of Water chillers at rated parameters.
- Specific design to meet customer requirement also available in addition to standard models.

Applications of Water Cooled Chillers

- Chemical/ Pharmaceutical process.
- Plastic Processing : Injection Moulding, Blow Moulding, Extruders, PVC Pipes, Woven Sacks, PP Film Lamination etc.
- Calendars (Plastic & Rubber).
- Milk and Dairy / Pasteurising, Food Products .
- Lubricants / Oil Cooling and Dewaxing of Oils
- Plating, Anodising and Induction heat treatment
- Pulp and Paper Processing.
- Printing Ink / Paper Waxing cooling.
- Bleaching / Dyeing Industry.
- EDM Machine cooling.
- Concrete curing.
- Comfort cooling.

The Fine Quality Component Features

- Hermetic/Semi hermetic sealed/ reciprocating compressors with internal over load protection.
- Air cooled condenser with copper tubes and Aluminum fins.
- Plate type evaporator for high efficiency.

- Stainless Steel storage tank with external insulation to prevent vapor ingress and condensation.
- Refrigerant circuit consists of imported filter dryer, thermostatic expansion valve/capillary, sight glass, accumulator.
- Controls with safety devices - high and low refrigerant switches, low water level, flow switch.
- All Refrigerant tubing is high grade copper.
- Digital temperature indicator controller for precise temperature controlling.
- Audio visual indication for controls and safeties.
- Pumps suitable for high flow and pressure.
- Automatic water level control system for all models.
- Trolley mounting- optional.

Water cooled Water Chillers

S.No.	Model No.	Nominal Cooling Capacity		Compressor Power K.W		
		Watts.	TR.			
With Sealed Reciprocating Compressor						
1	SR 50 WC	17500	5.0	4.2	1.5	70
2	SR 70 WC	24500	7.0	5.9	2.0	90
3	SR 110 WC	38500	11.0	8.7	3.0	140
4	SR 135 WC	47250	13.5	11.0	3.0	170
With Sealed Scroll Compressor						
5	SS 50 WC	17500	5.0	3.9	1.5	70
6	SS 75 WC	26250	7.5	5.3	2.0	95
7	SS 100 WC	35000	10.0	6.6	3.0	120
8	SS 135 WC	47250	13.5	8.8	3.0	170
9	SS 150 WC	52500	15.0	10.1	3.0	200
With Semi-Sealed Reciprocating Compressor						
10	SSR 210 WC	73500	21.0	14.2	5.0	310
11	SSR 250 WC	87500	25.0	17.5	5.0	325
12	SSR 300 WC	105000	30.0	21.8	5.0	390
13	SSR 375 WC	131250	37.5	28.4	5.0	470
14	SSR 450 WC	157500	45.0	47.0	7.5	560
15	SSR 500 WC	175000	50.0	53.5	7.5	620
With Open Reciprocating Compressor						
16	OR 450 WC	157500	45.0	25.4	7.5	560
17	OR 550 WC	192500	55.0	31.5	7.5	680
18	OR 650 WC	227500	65.0	37.7	7.5	800
19	OR 750 WC	262500	75.0	43.8	10.0	940
20	OR 860 WC	301000	86.0	50.0	10.0	1070
21	OR 1040 WC	364000	104.0	62.2	12.5	1300
22	OR 1300 WC	455000	130.0	74.7	15.0	1625
23	OR 1500 WC	525000	150.0	86.9	15.0	1800

Note: The above models are with R-22 as a refrigerant. We can also offer water chiller with ecofriendly refrigerants i.e R-134A , R-404A.

For a QUOTE Please [Contact us](#)

Type	SS : Sealed scroll SSR : Semisealed Recip. OR: Open Recip	The above chillers are based on Sealed/Semisealed/Open compressors of Copeland/Maneurop/Kirloskar Bitzer.
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Note : Higher capacities & lower temperature equipments are offered. Above capacities are rated at 12 Deg. C Discharge water Temperature. Maximum Ambient Air Temperature 40 Deg. C
All above data is subject to change without notice

OUR PRODUCT RANGES

Air / Gas Dryers	Refrigerated Equipments	Other Products
Heatless Compressed Air Dryer	Air Cooled Water Chillers	Hot Air Blowing Equipment / Air Heaters
Refrigerated Air Dryer	Water Cooled Chillers	Solvent / Liquid Dryer
High Pressure Air/Gas Dryer	Screw Chillers / Chilling Plants	
Blower Heat Regenerated Air Dryer (BHR)	Walk in Coolers / Cold Rooms Units	
Internal Heater Dryer (IHR)	Refrigerant Recovery System	
Heat of Compression Air Dryer (HOC)		Onsite Gas Generators
Split Flow-No Purge Loss Air Dryer (SFNL)	Storage Systems	PSA Nitrogen Gas Generator
Custom Made Air Dryer	Liquid CO2 Storage Tanks	PSA Oxygen Gas Generator
Packaged Mobile Dry Air Plant	LPG Storage Systems	
Pressure Regulating Stations ^{NEW}	CO2 Recovery Plant ^{NEW}	Spare Parts
Hydrogen Gas Dryer ^{NEW}	CO2 Vaporiser ^{NEW}	Spare part for Air Dryer
Instrument Air Quality Standard ^{NEW}		Air Receiver Tank For Compressed Air
		Auto Drain Trap
		Dew Point Apparatus
		Spare Parts for PSA Nitrogen Gas Generator

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