



Reynold®

The largest manufacturer of
Process Chillers in India

Now, introduces ...
For the first time in India

Full range of

Green Machines
(CFC-Free Chillers)

SCROLL CHILLERS

SEMIHERMETIC CHILLERS

SCREW CHILLERS

CENTRIFUGAL CHILLERS



Reynold®

For last few years, there has been a surely widening trend across the globe to go for environment friendly equipment - more prominently in the field of refrigeration and air-conditioning - be it due to the norms laid down by different governing agencies or the awakening of the mankind to move towards a safer, hazard-free tomorrow.

The same pragmatic agencies have been continuously enquiring about the availability of CFC-Free Machines and to suffice the need we have been installing these machines in small but steadily growing numbers.

And then came our time to think about and develop a complete range of these Green Machines - so that the choice is easy - to encourage more people to use these machines.

Reynold, being the premier organisation in the field, has always been dutifully taking initiatives to make available to you, conveniently, the latest and the best available worldwide.

We listen to your heart and, sometimes, ours' too.

Water-cooled
5 TR to 450 TR, stand-alone
Upto (-) 50°C



Air-cooled
2 TR to 300 TR, stand-alone
Upto (-) 40°C



CFC-Free, Air & Water Cooled
2 TR to 150 TR, stand-alone
Upto (-) 30°C



Widest range of capacities - 2 TR to 450 TR, Stand Alone
Widest range of temperatures - (+) 30°C to (-) 50°C
Accurate temperature control - up to $\pm 0.1^\circ\text{C}$



Reynold[®]
takes the heat away..

CFC-Free, High Efficiency, Green Machines



Reynold CFC-Free Chillers are designed keeping in mind the users' point-of-view and the same quality policy because of which Reynold has reached its present status of being the premier organisation for Process Chillers in India - starting humbly about a decade and a half ago. Now, instead of the least choice available otherwise, you have a complete range of CFC-Free Chillers to choose from - for your unique requirements of process cooling - from 2TR to 150TR.

These Chillers - with higher COP - are so rugged yet the features of these machines are so premium that these could be benchmarks of standards for manufacturing, all over the world. Some of these special features are as follows:

1. Fully automatic, PLC based systems with touch screen panel for precise, efficient and user-friendly operation.
2. Remotely operable. Connectivity to customer network through SCADA.
3. Electronic expansion valve for precise superheating and improved power efficiency.
4. Totally factory assembled - including pumps, tanks etc. - with fully operational demonstration, including efficiency tests, at our works.
5. Fully weather proof with Spray Galvanized structure - can be kept in open air, without any roofing, under shower or within dusty surroundings - with IP55 level protection.
6. Fit for most re-circulating fluids, however corrosive, viscous or flammable. Total wetted parts including pumps, tanks, piping etc. made out of SS-304, SS-316 (L), Cupro-Nickel etc.
7. Designed to operate effectively upto 50°C ambient and 99% RH.

And most of the above features are, also, available with our regular machines.

To put it simply, these machines are beyond comparison.

Screw Chillers

Screw Chillers are very well known worldwide as 'nothing-happens-to-them' machines. The expertise and experience required to handle these Chillers, availability of the critical components indigenously, applications of these Chillers and the like are the issues being the least answered so far by the other manufacturers.

Reynold, clearly understanding all these issues, manufactures a range of these Chillers from 50TR to 250TR - with both DX and Flooded Evaporators - to achieve higher COP - having a dedicated team of professionals which exclusively looks after these machines - from the designing to fabrication and testing to the commissioning and after-sales-service - so that these superior machines get the attention what they deserve.



Special Machines - built to your need

We, by now, have been through numerous experiences as to how one Chiller can be different from the other, knowing that the applications of process cooling are varied and providing a standard systems for all the processes may not be possible or may be compromising on the basic need and the purpose for which these Chillers are to be installed.

The application of Chillers in the plastics, chemicals, pharmaceuticals, gas liquification, oil cooling, concrete batching and the like are so unique that a Chiller best suited for one application may not even work at the other.

It is where the expertise and experience of a Chiller manufacturer will count as to whether it has had any machines commissioned for the specific process or has been manufacturing for standard applications only.

This experience one gains by working on many similar projects repeatedly - perfection by practice - and Reynold has an upper hand here being dedicated to process cooling needs - and all of them - from (+)30 to (-)50°C.

As our total focus has been over one range of products only, we have learnt and almost perfected over varied process cooling applications, by listening to the customers, observing the details of different projects carefully, being aware of the available resources world-over and then conceptualising and providing the most suitable, tailor-made solutions.

All this is also helped by being capable and courageous to take initiatives at the proper times to produce the machines which are the latest, the most efficient and most importantly relevant and closest to what was desired. We are and we do.



Total Range

Air Cooled

Capacity 2 TR to 300 TR, stand-alone
Temperature (+) 30°C to (-) 40°C
Flow Rate 20 lpm to 5,000 lpm
Fluid pressure 1.5 bar to 8.5 bar
Temp. Gradient upto 50°C
Max. Ambient (+) 50°C
Max. RH 99%



Water Cooled

Capacity 5 TR to 450 TR, stand-alone
Temperature (+) 30°C to (-) 50°C
Flow Rate 50 lpm to 8,000 lpm
Fluid pressure 1.5 bar to 8.5 bar
Temp. Gradient upto 60°C
Max. Ambient (+) 50°C
Max. RH 99%



Exports

We are exporting our machines to more than 20 countries - some of them regularly - viz. Russia, Kazakhstan, UAE, Saudi Arabia, Syria, Kenya, Nigeria, Tanzania, Tunisia, Algeria, Togo, Bangladesh, Sri Lanka, Nepal etc. We shall soon start exporting our Chillers to Europe and America, also.

We are targeting to export 20% of our production, by 2006-07.

Projects

We, also, undertake few chosen projects, in process cooling, on turnkey basis. We have dealt with many such projects - for varied process cooling applications - valuing upto Rs. 1.5 crore/300,000 USD.



Quality Policy

We remain front-runners, focused and committed to incorporate the latest in design and technology available worldwide and utilise the highest grade of material, procedure and workmanship to produce the most efficient machines, with the least chances of break-downs and give equal impetus over the after-sales-service.

- The specifications and features given in this brochure may not coincide with all the models. Do check with us for the details.
- As we continuously upgrade the designs and incorporate new technologies, please check with us for the latest, upgraded models.

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