



Automatic chillers: The next generation chillers

Industrial and laboratory Chiller Solutions



www.hexoninstruments.com





Hexon Instruments introduces the Smart Chiller, which is powered by a Smart Platform. This next generation smart chiller recognizes and saves the system components from damage due to Dry Run

Dry Run Scenario



1. Insufficient Fluid In Reservoir

This happens when there is Insufficient fluid in reservoir due to which there is low water flow and leads to damage of pump and compressor.



2. Blocked fluid filter

When dust particles or contaminants in the water clog the filter, no pumping or water flow occurs.



3. No Fluid In Pump Cavity

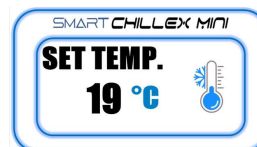
This happens when there is air in pump cavity due to the leakage in pipe. Such issues damage critical components and increase system downtime with heavy maintenance cost to run the system.

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Inbuilt Smart technology to sense low water level in tank and low water flow. Alerts and system safety auto cut-offs.



User Friendly Interface For Temperature Setting



Live display of operating parameters

- 1) Flow
- 2) Pressure
- 3) Water Level
- 4) Process Value
- 5) Set Value

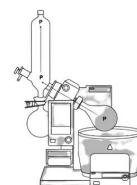
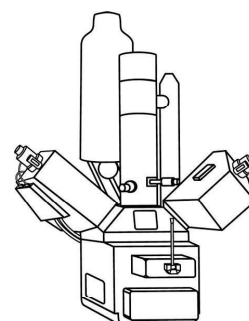
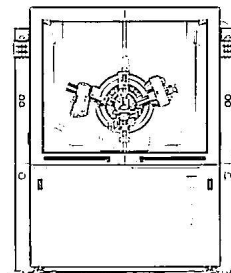


RS 232 communication with IOT and data login

Because of their **Low Downtime**, the Next Generation Chillers **Save Time & Money** which is why we call them **SMART** Chillers.

Industrial & Laboratory Applications

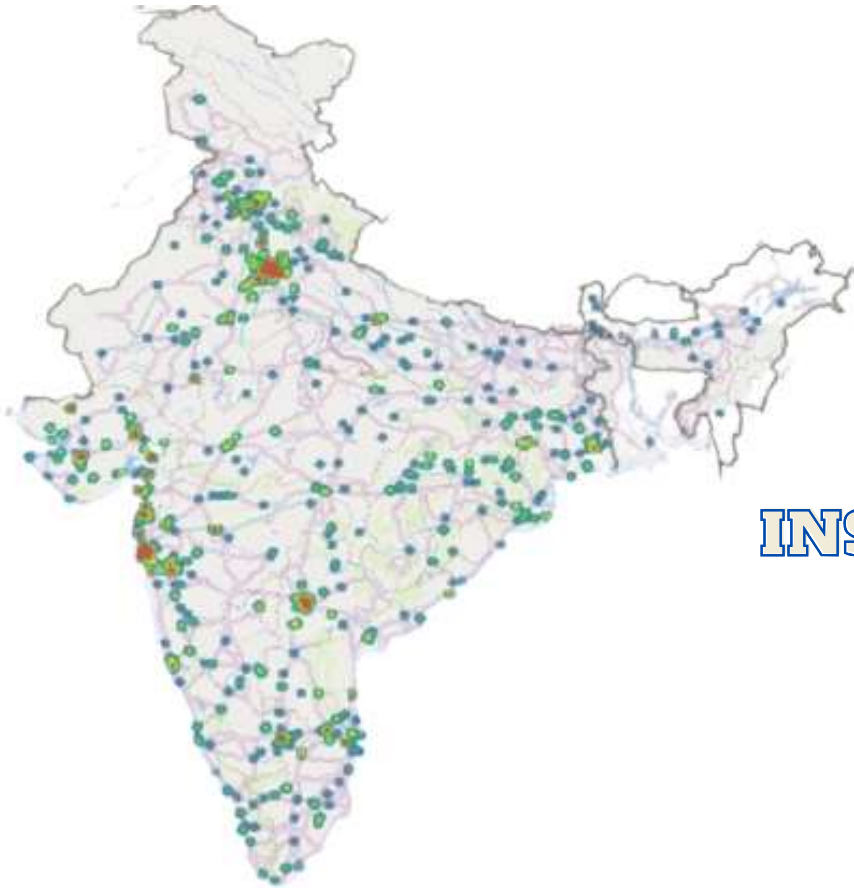
- Chiller for XRD & XRF
- Rotary Evaporator
- Electron Microscopy
- Bomb calorimeter
- C,H,N,S Analyzer
- Elemental analyzer
- AAS(Atomic Absorption Spectroscopy)
- ICP-OES (Inductively Coupled Plasma Optical Emission Spectrometry)
- ICP-MS (Inductively Coupled Plasma Mass Spectrometer)
- Distillation
- Laser Cutting
- Chemical
- Food & Beverages
- Glass Reactor
- Condenser Cooling
- Kjeldahl



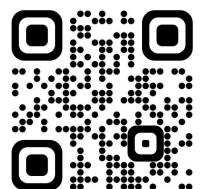


Chiller Specifications

Sr. No.	Model Name	Heat Dissipation Capacity (Max. KW)	Temperature Range (°C)	Flow Rate (Max. Lpm)	Tank Capacity (L)
1	Chillex Mini	1.1	5 to 30	10	12
2	Chillex Mini HC	0.6	-20 to 90	10	5
3	Chillex 42	4.8	5 to 30	20	45
4	Chillex 52	6	5 to 30	50	60
5	Chillers Customized	Customized	Customized	Customized	Customized



500+
INSTALLATION



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