Ingersoll Rand

Heat-Of-Compression Air Dryer

Heat-of-compression (HOC) dryers are dual-tower, desiccant designs. The HOC dryer is the most energy-efficient dryer available.

It recovers the heat that is a natural by-product of the compression process.

This “free” heat is utilized in the air-drying process to provide moisture-free air while consuming virtually no energy.

Reliability

Ingersoll Rand heat-of-compression (HOC) dryers, HC-Series, are the world’s simplest and most reliable regenerative dryers. Their design innovation, coupled with unsurpassed performance, will help assure the reliability of your compressed air system.

- **High Performance**: HOC dryer includes proven highperformance two-way valves, providing years of troublefree operation.
- **Unique Design**: Unique design of the HOC dryer with its stripping and cooling cycles, enables it to achieve year-round dew points below -40°C.
- **Smart PLC based control system**: Equipped with PLC based control system that maintains performance and monitors the health of unit, so downtime can be minimized.
- **Expansion Flexibility**: HC Series Dryers can be installed with multiple compressors, allowing maximum flexibility without sacrificing the integrity of the compressed air system.

Energy Efficiency

Heat-of-compression dryers are the most cost-effective means to protect air lines, tools and expensive instrumentation.

- **Reduced Electrical Cost:** The HC series has a very reduced total electrical cost as they use very small strip heaters of neglible capacity.
- **Compressed Air Saving:** The HC series design consumes neglible purge air
- **Minimum Pressure Drop:** The HOC dryer is designed to minimize pressure drop by utilizing full-flow valves and minimal piping.

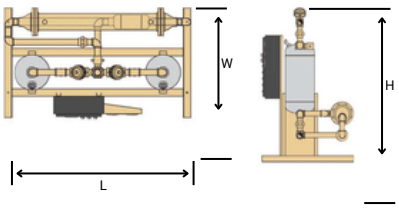
Consistent Dew Point

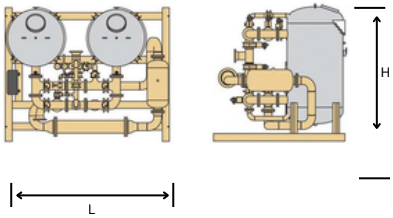
The HC-Series can constantly provide -40°C or lower dew points, at a fraction of the cost associated with other regenerative type dryers

Heat-Of-Compression Technology

HC-Series Dryer is a sophisticated dryer, which includes a stripping and cooling cycle, delivering a constant dew point without temperature or dew point spikes.

Technical Specifications

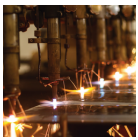


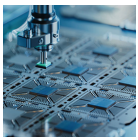


HC Series							
Model	Flow @7 Bar (m3/hr)	Flow @7 Bar (m^3/min)	CFM	Length (mm)	Width (mm)	Height (mm)	Package Weight (kg)
HC-6	976	16	574	2540	1803	2521	2900
HC-9	1525	25	897	2540	1803	2521	3036
HC-14	2262	38	1331	2820	1956	2573	3336
HC-21	3429	57	2017	3048	2007	2642	5280
HC-30	4940	82	2906	3277	2540	2700	5310
HC-41	6385	106	3756	3683	2870	2920	8085
HC-54	8782	146	5166	3810	3200	2902	8747
HC-69	11115	185	6538	4445	3455	2985	9947
HC-85	13722	229	8072	4623	4521	3251	11768
HC-103	16602	277	9766	5002	3962	3202	13379
HC-122	19752	329	11619	5561	4064	3404	15102
HC-143	23190	386	13641	5637	4216	3404	16916
HC-166	26894	448	15820	6247	4369	3556	19410

Capacity based on: Compressor discharge Temperature: 107 °C, Cooling water inlet temp: 29°C, Operating Pressure: 7 bar(g)


Pharmaceuticals


Glass


Electronics


Pulp Paper & Printing


Chemicals


Metal & Fabrication


Food & Beverages

About Ingersoll Rand Inc.
Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com.

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We are committed to using environmentally conscious print practices.