



HEAT-OF-COMPRESSION AIR DRYERS

UNSURPASSED ENERGY-EFFICIENCY



HC-Series
DEW POINTS BELOW -40°C

HOC Desiccant Dryers

Consume virtually no energy

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 utilised in the airdrying process to provide moisture-free air while consuming virtually no energy.



Reliability

CompAir 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 high performance two-way valves, providing years of trouble free 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 minimised.
- **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

- **Reduced Electrical Cost:** The HC series has a very reduced total electrical cost as they use very small strip heaters of negligible capacity.
- **Compressed Air Saving:** The HC series design consumes negligible purge air.
- **Minimum Pressure Drop:** The HOC dryer is designed to minimise pressure drop by utilising 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.

Stable Pressure Dew Point of -40°C



Compatible with fixed and variable speed oil-free screw air compressors

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 Data

HOC Desiccant Dryers



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

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



Innovation & Engineering Excellence

A leading global manufacturer of a wide range of world-class compressed air solutions, CompAir is dedicated to providing a complete solution for our industry partners. From the latest advances in oil-free and oil-lubricated technologies to a complete range of downstream equipment, air treatment and accessories.

An extensive network of dedicated CompAir sales companies and premium partners across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.

CompAir compressed air product range

ADVANCED COMPRESSOR TECHNOLOGY

Lubricated

- Rotary Screw
 - Fixed and Regulated Speed
- Portable
- Vane

Oil-Free

- Water Injected Screw
 - Fixed and Regulated Speed
- Two Stage Screw
 - Fixed and Regulated Speed
- Ultima®

COMPLETE AIR TREATMENT RANGE

- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

MODERN CONTROL SYSTEMS

- CompAir DELCOS Controllers & Monitoring
- SmartAir Master Plus Sequencer
- iConn – Smart Compressor Service
- Ecoplant

VALUE ADDED SERVICES

- Professional Air Audit
- Performance Reporting
- Leak Detection

LEADING CUSTOMER SUPPORT

- Heat Recovery
- Assure Service Agreements
- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.