

Heat of Compression Dryers

800-6,000 m³/hr for Rotary Screw Compressors

3,900-15,300 m³/hr for Centrifugal Compressors

Our Heat-of-Compression (HOC) dryers are a reliable and efficient solution to boost your productivity. Their technologically advanced design provides constant, moisture-free, high-quality air with virtually no energy consumption.

Ultimate Energy Efficiency

HOC dryers use heat that is a natural by-product of the compression process. This heat, which is normally wasted, is recovered to regenerate the desiccant throughout the drying process, making HOC dryers the most energy-efficient type of desiccant dryer available.

A Superior Solution for High-Quality Air



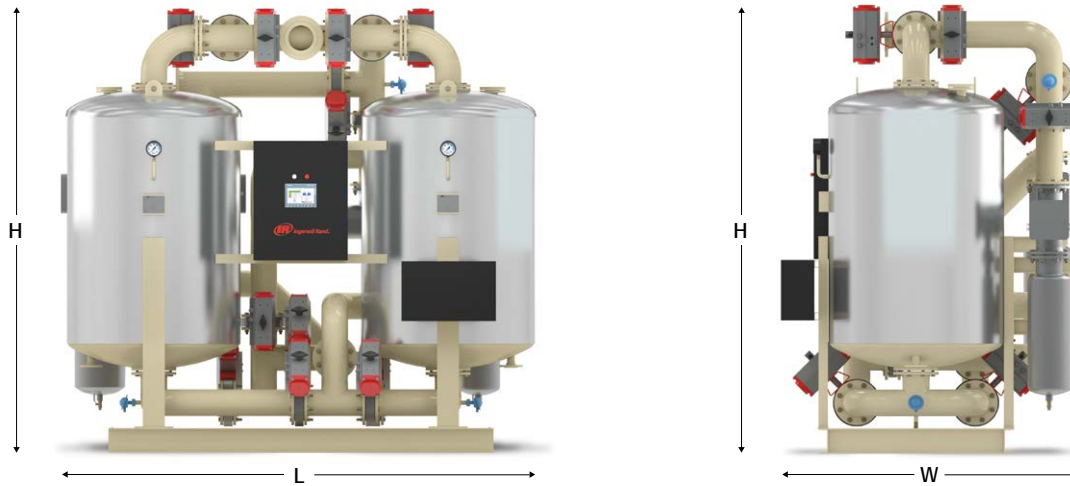
Problems like rust and corrosion in the air piping, damage to downstream tools and instrumentation, as well as spoilage of finished goods are created by moisture contamination in a compressed air system.

HOC dryers prevent such productivity losses by delivering the set pressure dew point continuously. By combining a robust design with a process that maximises sustainability and minimises energy costs, our HOC dryers provide you with flexibility, uptime and control that reduces the total cost of ownership.

HOC Features

- **High-quality, moisture-free air** with year-round dew points down to -40°C (-40°F) and below
- **Minimises maintenance and energy consumption** by using heat generated during the compression process to regenerate the desiccant media
- **Long-lasting two-way valves** provide years of trouble-free operation
- **Full-flow valves and optimised piping layout** deliver moisture-free quality air and minimise pressure drop
- **High temperature coating** on wet parts to enhance corrosion resistance, extending dryer life
- **Intuitive, advanced system controller** with connectivity capabilities for efficient operation
- **Environmentally friendly design** repurposes heat that would normally be wasted, increasing sustainability
- **Self-contained unit** delivered ready for start-up, including baseplate mount, piping, pre-wiring and PLC-based controller





Dryer Specifications for Rotary Screw Compressors

Model	Capacity		Air Connections (PN16)		Dimensions Length x Width x Height (mm)	Weight kg
	m ³ /min	m ³ /hr	Cold Air	Hot Air		
D800HC-R	13.3	800	DN50	DN50	1,430 x 1,050 x 2,100	1,100
D1300HC-R	21.7	1,300	DN80	DN80	1,600 x 1,200 x 2,250	1,450
D1700HC-R	28.3	1,700	DN80	DN80	1,800 x 1,350 x 2,660	1,850
D2300HC-R	38.3	2,300	DN100	DN80	2,050 x 1,550 x 2,430	2,300
D2900HC-R	48.3	2,900	DN100	DN80	2,050 x 1,650 x 2,500	2,650
D3400HC-R	56.7	3,400	DN100	DN100	2,400 x 1,700 x 2,500	2,900
D4150HC-R	69.2	4,150	DN150	DN100	2,500 x 1,800 x 2,620	3,450
D5000HC-R	83.3	5,000	DN150	DN150	2,800 x 1,850 x 2,700	3,900
D6000HC-R	100.0	6,000	DN150	DN150	3,000 x 1,950 x 2,750	4,000

Rated capacity at 20°C and 1 bar abs., at an operating pressure of 7 bar g and an adsorption temperature of 35°C (saturated). Hot air from compressor: max. 180°C, up to 230°C on request. Cooling water inlet temperature of 25°C.

Dryer Specifications for Centrifugal Compressors

Model	Capacity		Air Connections (PN16)	Dimensions Length x Width x Height (mm)	Weight kg
	m ³ /min	m ³ /hr	Hot Air		
D3900HC-C	65	3,900	DN150	3,000 x 1,800 x 2,850	5,100
D6900HC-C	115	6,900	DN150	3,250 x 2,050 x 3,050	8,200
D9000HC-C	150	9,000	DN200	3,600 x 2,400 x 3,200	10,500
D13200HC-C	220	13,200	DN250	5,600 x 3,400 x 3,150	11,200
D15300HC-C	255	15,300	DN250	5,800 x 3,600 x 3,300	14,500

Rated capacity at 20°C and 1 bar abs., at an operating pressure of 7 bar g and an adsorption temperature of 35°C (saturated). Hot air from compressor min. temperature of 95°C. Cooling water inlet temperature of 25°C.



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