# 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.

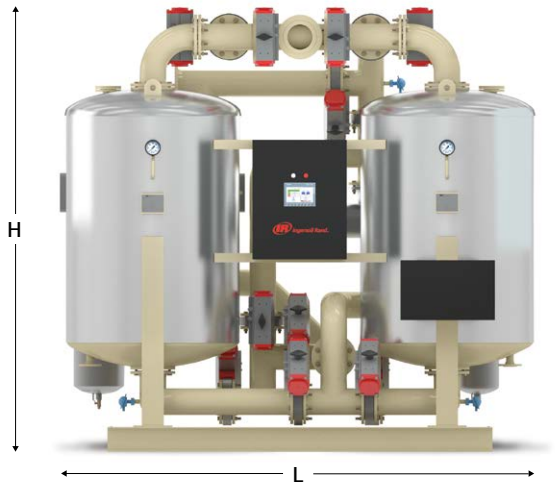
### A Superior Solution for High-Quality Air

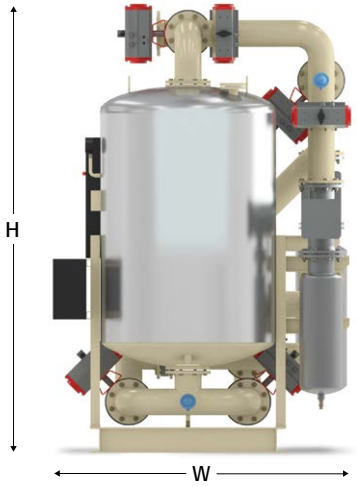
Problems like rust and corrosion in the air piping, damage to downstream tools and instrumentation, as well as spoilage of finished goods are created by moisture contamination in a compressed air system.

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 dessicant 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 m³/min | Capacity m³/hr | Air Connections (PN16) Cold Air | Air Connections (PN16) Hot Air | Dimensions Length x Width x Height (mm) | Weight kg |
|---|---|---|---|---|---|---|
| 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 m³/min | Capacity m³/hr | Air Connections (PN16) Hot Air | Dimensions Length x Width x Height (mm) | Weight kg |
|---|---|---|---|---|---|
| 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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