



**MHOC SERIES
HEAT OF COMPRESSION
COMPRESSED AIR DRYERS**





Founded in 1983 in Liege, Belgium, Drytec provides compressed air products worldwide and sales & after-sales service to channel partners throughout Europe. Drytec is keeping a high level of stock in Belgium with over 1000 dryers on shelves and thousands of consumables to serve customers in the best and fastest way. With nearly 45 years of experience in compressed air systems, Drytec is now one of the leading companies in the field of compressed air filters and automatic drainage systems for various industries.

Note: The product images/visuals may include optional components. Images represent the appearance of the product. Please check the standard and optional lists of the relevant product for the most accurate cautiously.

www.drytec.be

MHOC SERIES HEAT OF COMPRESSION COMPRESSED AIR DRYERS

Drytec MHOC Series Compressed Air Dryers is energy-efficient by using the heat generated air of the oil-free compressors and without any heaters or blowers, zero-purge, pressure swing adsorption (PSA) dryer engineered to remove water vapor from compressed air with the twin tower engineered design. Specifically designed for compatibility with oil-free compressors, this dryer ensures optimal performance. It offers compressed dry air production with the highest energy efficiency in the dryer technology. It provides the compressed dry air production required for the compressed air system with the lowest energy costs thanks to zero-purge (no purge air).

There is a regeneration option with compressed air to ensure dew point stabilization. The MHOC dryer's design allows it to achieve a -40°C (-40°F) dew point with stripping and cooling cycles. The system is also optimized for minimum pressure drop.

MHOC Series compressed air dryers eliminate the need for users to use any heater or provide the desired performance with a trim heater at way down kW values. In this way, it stands out as the most economical and environmentally friendly solution for compressed air lines and equipment.



The drying process is now greener for everyone!

Features & Advantages

- Highest energy-saving dryer technology
- No compressed air loss at normal mode
- Max. 2% loss of compressed air at stripping mode
- Easy to install and user-friendly
- High-efficient production
- -40°C (-40°F) dew point by using generated heat from the compressor
- No external electric regeneration heating requirement
- Rapid return on investment (ROI)
- Monitoring of operating modes instantly with an advanced controller system
- Minimized pressure drop

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Advanced Standard PLC Controller System

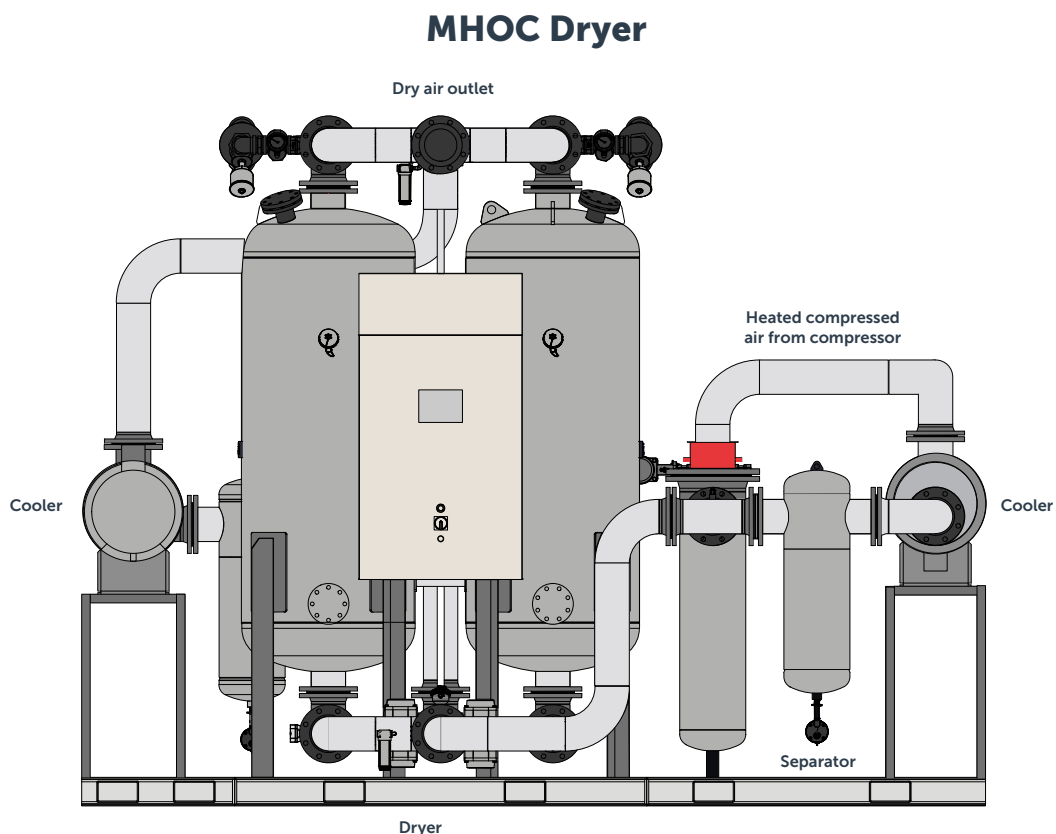
HMI Touch Screen PLC is the standard controller system for MHOC Desiccant Dryers. Instant monitoring and controlling of PSA parameters can be provided and optimal performance can be checked by this controller system with high reliability.

Working Principle

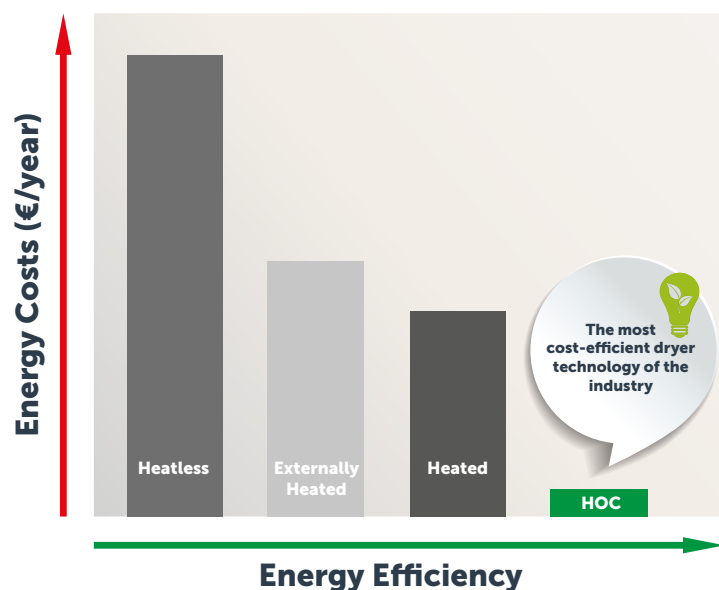
Drytec HOC Series Compressed Air Dryers offer the opportunity to reduce energy costs with highly efficient compressed dry air production. Thanks to zero-purge, it provides the production of compressed dry air required for the compressed air system with very low energy costs.

In order to ensure dew point stabilization, there is a regeneration method with high temperature compressed air coming out of the compressor. The design of MHOC Dryers provides $-40^{\circ}\text{C}/-40^{\circ}\text{F}$ dew point stabilization with high performance option (stripping) and cooling cycles.

High temperature compressed air coming out of the compressor enters the MHOC dryer and is directed to the regeneration tower. The compressor aftercooler outlet is used for the cooling process and the regeneration is completed relatively. During the regeneration, compressed air is also transferred to the dry air production tank to reach the $-40^{\circ}\text{C}/-40^{\circ}\text{F}$ dew point without loss.



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This saves ENERGY and helps the world become more "GREEN"



Technical Specifications

Model	Capacity	
	(m ³ /h)	(cfm)
MHOC 340	575	340
MHOC 400	680	400
MHOC 500	850	500
MHOC 600	1000	600
MHOC 735	1250	735
MHOC 800	1500	800
MHOC 1000	1800	1000
MHOC 1250	2200	1250
MHOC 1500	2700	1500
MHOC 1850	3200	1850
MHOC 2000	3600	2000
MHOC 2500	4400	2500
MHOC 3000	5000	3000
MHOC 3700	6300	3700
MHOC 4000	7200	4000
MHOC 5000	8800	5000
MHOC 6000	10800	6000

Performance Data*		
Max. Working Pressure (barg)	Pressure Drop (mbar)	Power Supply (V / Ph / Hz)
10	≤130	460 / 3 / 60 400 / 3 / 50

Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO 7183 standard

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