

BD 100-300

Premium performance & cost-efficiency

1 Quality desiccant

- High absorption silica gel desiccant needs less reactivation energy than other drying agents.
- Dual-layer desiccant bed with a water-resistant bottom layer protects the high-performance top layer.
- Pressure drop of $<40 \text{ °C}/40 \text{ °F}$ as standard, $<10 \text{ °C}/100 \text{ °F}$ optional.
- Up to 30% extra desiccant to deliver consistent performance even in harsh conditions such as high temperatures and temporary overloads.



2 Stainless steel valves

High-performance stainless steel butterfly valves with actuators ensure a long lifetime.



3 Low weightage density heater

- Stainless steel design ensures a long lifetime.
- Heater is installed in an insulated pipe for an energy-efficient set-up.
- Insulated variants are available as an option to further reduce heat losses and increase overall efficiency (standard on the $>10 \text{ °C}/100 \text{ °F}$ model).



4 Enhanced piping with flanged connections

- Flanged piping simplifies maintenance and minimises the risk of leaks.
- Pipe sizing is optimised to ensure a low pressure drop for maximum energy savings.



5 Filter

- A pre-filter prevents oil contamination to increase desiccant lifetime.
- An after filter protects the plant from desiccant dust and network contamination.
- Can be mounted directly on the inlet and outlet of the dryer for low pressure drop.
- Easy to assemble and maintain. No extra piping and filter connections are required.



6 Advanced control and monitoring system

- Fixed mode on IP64 controls for easy coding and safety.
- Monitors all parameters to ensure maximum reliability.



7 Deepstart Dependent Switching

- Real pressure dropstart monitoring (programmable).
- Pressure dropstart (and alarm).
- The dryer will only switch to the next tower when the desiccant is saturated, as measured by the desiccant sensor. During the cycle time extension, the dryer consumes no purge air, resulting in a significant reduction in energy use.

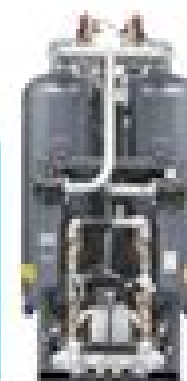


8 Robust and compact design

- Standard frame, including forklift slots and lifting eyes for easy handling.
- Wide vessels ensure a low air speed and a longer contact time.
- Flanges connecting the vessels are integrated into the top and bottom shells, lowering the total unit height.

ZERO PURGE MAXIMUM ENERGY SAVINGS

Looking for the desiccant dryer with the lowest operating costs? The BD-Zero Purge is your best choice. With zero purge losses and minimal electricity use, the BD-ZP offers the highest energy savings. See example cost comparison on page 3 quantifies the difference.



Atlas Copco Cd80 Manual

t. editor Rogert



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equation 1