



MEDIUM AND HIGH PRESSURE DESICCANT DRYERS

Medium Pressure Dryers (20-50 bar(g) Working Pressure)

The extension of our range of fabricated Heatless dryer designs allows us to provide units for use at higher operating pressures.

These models are designed, for example, for the PET bottle blowing industry, for pipeline testing and booster compressor applications. These dryers can be supplied with required filtration and control systems and a pressure maintaining valve on the dryer outlet to ensure pressure is maintained within the dryer prior to allowing it to be released to the downstream process.

They are designed and manufactured to your particular requirements covering vessel codes, valve types and materials, specific grades of pipework and with full package instrumentation as needed to assess the operation of the complete dryer package.

High Pressure Dryers (60-450 bar(g) Working Pressure)

These high pressure dryer sets are supplied for the drying of very high pressure compressed air. Dryers of this pressure range are supplied for high pressure air testing applications, air blast switchgear installations and many other applications requiring the use of a clean and very high pressure air supply.

These dryer designs involve the use of specially sourced high pressure machined vessels, pipework, filters and other components for assembly onto a single base frame. An enclosure is provided to house the pipework and control components with the dryer package being able to be operated electrically or by using a pneumatic timer system.



All Silicair Dryers models are CE marked as standard and are custom selected to meet your specific requirements based on the exact operating parameters for your process. To obtain the correct model to meet your requirements please contact us with your inlet flow, pressure, temperature and required outlet dewpoint. All models are available for an outlet dewpoint of -40 °C with an option for -70 °C if required. Specific pressure vessel design codes are available for these models including ASME VIII Div.1, ASME VIII Div.1 U stamp or PD5500.

In addition, complete dryer/filtration packages can be provided to ensure that the correct level of outlet air quality is provided to meet your process specification. Dewpoint analysers and changeover failure alarm can be provided as part of the scope of supply.

The activation purge flow will be calculated accordingly and product design data sheets are available on request.