



PROCESS AND INSTRUMENT AIR DRYER SKID PACKAGES

Silicair Dryers bespoke packaged skid sets are supplied as simplex or duplex (duty/standby) arrangements and are designed on an individual basis taking into account the client's specifications and operational requirements, including consideration of location and space available for the installation.

The packages contain desiccant dryer(s) with required filtration, interconnecting pipework and control panel systems that allow the package to interface with the client's operating system. Additional features can be provided to include dewpoint alarm, changeover failure and operational indication of high filter or package differential pressures.

These designs provide an extremely dry process or instrument air supply for any number of critical on site applications. They can also be used for the pre-treatment of compressed air used in the generation of nitrogen or oxygen utilising additional downstream generation equipment.

Many of these packages are installed in critical and harsh operating conditions for both onshore and offshore installation within the petro-chemical industry across the World. They are designed and manufactured to specific 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.



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 $-40\text{ }^{\circ}\text{C}$ with an option for $-70\text{ }^{\circ}\text{C}$ 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.

These models will benefit from the use of the optional DESS energy saver system to assist with the overall operational energy efficiency.

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