



CUB HEATLESS DESICCANT DRYERS

Silicair Dryers CUB desiccant dryers have been used in the market-place for many years for the drying and filtration of small flow and point of use applications and installations.

The dryer consists of a corrosion resistant aluminium body with two adsorber cartridges packed with desiccant materials. One cartridge is in drying duty whilst the other is reactivated by a bleed of extremely dry expanded air which is then exhausted from the dryer via a solenoid valve and activation air silencer. The operation and changeover between the two cartridges is fully automatic and is controlled via a micro plc located in a small central control panel with power on and service light indication being provided as standard. The dryer changes over on a fixed cycle basis.



All units include the provision within the cartridge construction for 1 micron after filtration so there is normally no additional after filter required to be installed.

The dryers require the installation of single or two stage pre filters depending on whether the incoming air is taken from a lubricated or oil free supply. These can be provided with the dryer if not already in place. Installation can easily be made in any plane by using the mounting bracket provided as part of the dryer design.

Within this dryer design there are models that provide small air flows and are suitable for one or two person installations and meet Breathing Air standard **BS EN 12021:2014**

Nominal design flow rates can be accommodated up to 20 L/s (42 cfm or 72m³/hr at 7 bar(g)) operating pressure. All models are available for a maximum working pressure up to 13 bar(g).

All Silicair Dryers models 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.

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