



MEDICAL AND DENTAL AIR DRYER AND FILTRATION PACKAGES

Silicair Dryers have a vast amount of experience in providing Medical and Dental Air dryer and filtration packages for hospital and other medical installations across the World. This has always been a significant area of business activity for us and we continue to offer high quality special build dryer packages to meet the needs of this critical market sector.

All medical compressed air installations should conform to the requirements of either HTM 02-01 Medical Gas Pipeline Systems or European Pharmacopoeia Ph. Eur and their respective quality specification for medical air.

The dryer packages themselves are a self-contained skid with all components being assembled onto a single base for ease of installation. Within the scope of supply, you are provided with either a simplex or normally duplex Heatless dryer(s) and multi-stage inlet and outlet filtration operating sets with all required pressure gauges, relief valves, controls and pressure regulation equipment.

This regulation equipment will then enable the working pressure of the outlet air to be regulated down to the pressure required for use, whether this be for full line pressure or for reducing to Surgical Air (7 bar(g)), Dental Air (6 bar(g)) or Medical Air (4 bar(g)) application pressures.

All of the materials used and equipment provided conform to the requirements of the current Medical Air standards and when combined with the compressors and receivers being supplier or that are already installed, provides a compliant installation.

All simplex sets include a single dryer / filtration assembly and feature the requirement for dewpoint monitoring with alarm and low outlet pressure alarm.

All duplex sets include two dryer packages in a duty / standby arrangement, all assembled on one base with interconnecting pipework and a common control panel. This panel includes indicating lights to enable easy identification of the dryer operating condition. A duty selector switch will allow the selection of Dryer A or Dryer B as the duty dryer set. All duplex sets have the same dewpoint and low pressure alarm features, but the initiation of any alarm will mean that the dryer will automatically changeover to the standby dryer therefore providing a constant supply of outlet air to the correct quality and specification.

The outlet air performance from any Medical or Dental compressed air installation should regularly be checked to ensure that the air meets the required air quality standards as noted in the above standards.



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 to meet the nominated medical air standard and specification.

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