

PRESS RELEASE HLI66

UPGRADED HI-LINE ADSORPTION DRYERS IDEAL FOR BREATHING AIR APPLICATIONS

Atacama-CT Plus adsorption dryers from Hi-line Industries, a leading UK supplier to the compressed air sector, now feature upgraded diaphragm valves that are helping these point-of-use units prove even more reliable for Class '0' breathing air applications in the medical and hospital sectors. Hi-line Industries will remain open throughout the COVID-19 pandemic to help serve the medical and healthcare industry, as well as those involved in food production. The company's service and main reception numbers, as well as the mobile numbers of key staff, remain available to support customers.

Based on a heavier duty specification, the new valves in the Atacama-CT Plus range now feature a tougher diaphragm that is resistant to both oil and aggressive condensate. This robust engineering is matched by other sturdy features on the valves, such as 100% rated anti-vibrating coils, special locating lugs and a machined pilot hole in place of an O-ring.

The Atacama-CT Plus series offers corrected flow rates from 0.2 to 2.83 m³/min. Importantly, this three-stage unit features a CT (Carbon Tower) located after the adsorption dryer. Clean, dry air passes through the third CT stage and adsorbs gases and aerosols depending on requirements and which zeolites are selected. To attain Class '0' for medical and food production applications the air needs to be oil-free, which can be achieved thanks to the use of high-quality carbon. Even working with a fully oil lubricated screw, vane or piston compressor, the Atacama-CT Plus will achieve better than ISO8573-1:2010 Class 1, giving a total oil concentration of less than 0.003 mg/m³, which is significantly less than that found in normal atmospheric air at home or in the workplace.

Also featuring the newly upgraded diaphragm valves is Hi-line's off-the-shelf model, the Atacama Plus. As standard, this unit dries air to a dewpoint of -40°C and comes with pre and after filtration. All Atacama Plus dryers, including the CT model, feature an energy-saving digital controller and dewpoint control function.

Atacama Plus is available for next-day delivery and offers capacity from 5 to 100cfm. The unit features aluminium top and bottom valve blocks and extruded aluminium chambers filled with desiccant. Air is dried as it passes through the desiccant bed in one of the chambers, while the other chamber regenerates using the PSA (Pressure Swing Adsorption) principle. The change is automatic and controlled by the digital controller. These popular and environmentally-friendly compressed air dryers are suited to sectors that include pharmaceutical, dairy, brewing and general manufacturing, to list but a few.

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