

ADVANCED PERFORMANCE Pneumatic Products for Pure Gas Applications



Pure Air Assemblies are used in mission-critical applications, including missile ejection systems and space thrusters, and require clean, pure air to function correctly.

Glenair production test equipment is capable of testing cleanliness to DEF STAN 58-96, the governing standard for pure gases used in weapons systems and ejector cooling applications.



Cleanliness is paramount to ensure that the gas is delivered to the Joule-Thompson (JT) Cyrostat in its purist condition.

By carrying out these processes, in line with DEF STAN 58-96, Glenair guarantees the gas is free of any contaminants, moisture, or particles left over from the manufacturing process.



All Pure Air Assemblies are precision-manufactured using induction coil brazing facilities to certify precision and repeatable joints, whilst micro-blasting allows for selective finishing.

All of these processes are needed to support the production of reliable gas pipe components for these harsh applications.



Once manufactured, all parts are thoroughly tested to ensure they meet the stringent requirements needed for these applications.

The testing includes hydrostatic and flow rate, the latter of which is critical in guaranteeing the final flow rate of the finished pipe assembly.