High-Pressure Assemblies for Pure Air Pneumatic / Cryogenic Applications

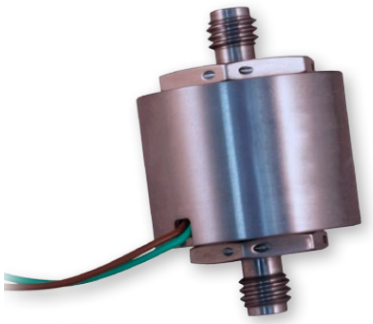
Glenair manufactures a variety of Solenoid Valves that can be used in a wide range of Mission-Critical Applications including Defense, Aerospace and Space.

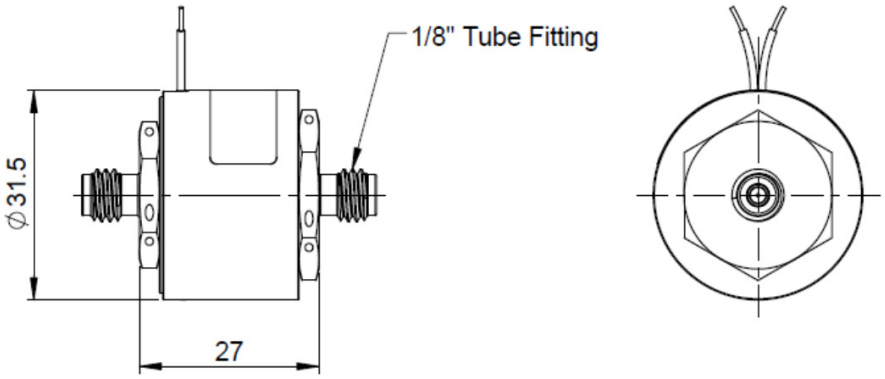
The standard valve is designed to be used with compression type fittings, but can be adapted as required to suit customer interface connections.

Designed to be used with clean gases, such as Nitrogen and Pure Air, but Glenair can design new valve configurations to suit the customers media requirements, including lower or higher pressure.

Solenoid Valve applications can include IR Guided Missiles, Small Satellites (Thruster Valves & Ground Based Systems) and Gas Supply Systems.

Contact Glenair to discuss your custom design requirements.





OUTLINE SPECIFICATION

- Gases: Pure Air, Nitrogen, & Argon
- Inlet Pressure: 7,250 PSI (500 Bar)
- Flow Area: 0.5mm diameter (through valve)
- Proof Test Pressure: 10, 850 PSI (750 bar) gauge
- Leakage Test: To Be Defined - Subject to Application (for a specific gas, "bubble" test or maximum flow rate)
- Temperature Range: - 40°C to 70°C
- Voltage Range: 18 - 32 Volts (dc)
- Coil Resistance: 105 Ohms (nominal) at 20°C
- Maximum Power: 10 W at 20°C
- Operation: For continous operation of the valve illustrated, the current is reduced after opening to a holding value. To operate continuously at the maximum voltage, a longer valve would be required. Similar designs are possible, with a different coil resistance and maximum power, affecting the time to open the valve
- Fittings (shown): Tube fitting ends (Swagelok-type) for 1/8" OD tube; other options would be possible, subject to pressure rating
- Mass: 116 grams (excluding the flying wires)