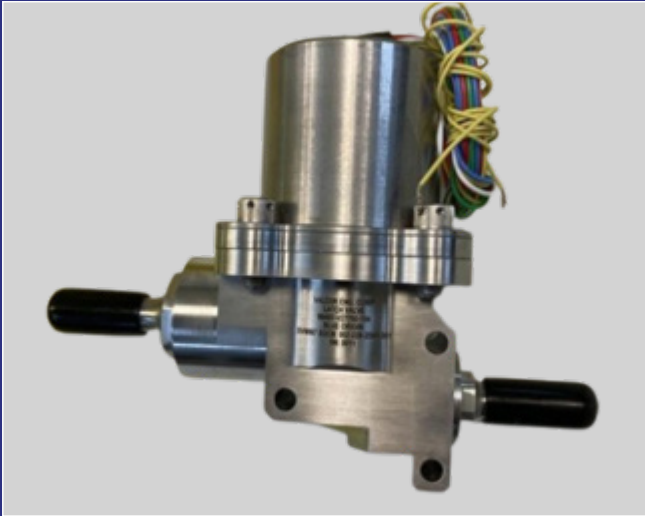


V27700-194-W

2-Way Latching Propellant Solenoid Valve



Valcor Engineering Corporation



DESCRIPTION

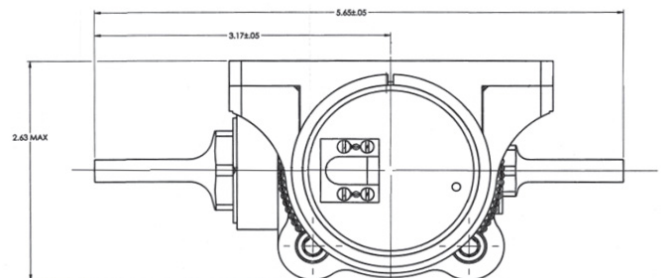
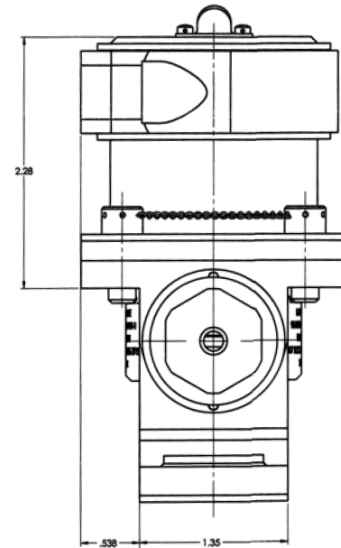
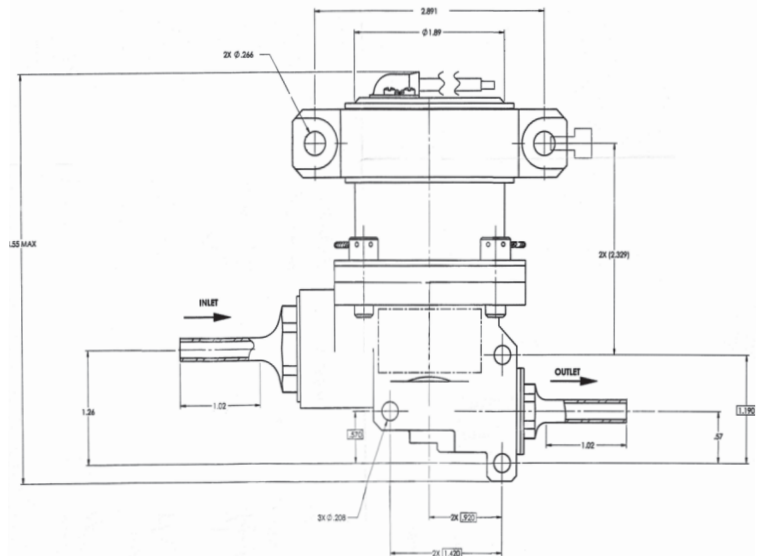
V27700-194-W valves are direct acting, latching valves designed for spacecraft, satellite, and launch vehicle applications. They are designed to control hypergolic propellants, including MMH and NTO, and are well-suited for the extreme vibration, temperature, and cycle life requirements found in the most severe spacecraft and rocket operating conditions. The compact size and low weight allow these valves to be used in the tightest space available. The solenoid is a dual coil latching design that allows the valve to remain in the open or closed position without the need for continuous power. The valve has a fast-acting balanced poppet capable of remaining open or closed regardless of flow or pressure. The coil is capable of withstanding the most extreme environments.

APPLICATION

V27700-194-W valves are typically used in spacecraft, satellite, and launch vehicle applications.

FEATURES

- Maximum Operating Pressure: 0-950 PSIG
- Flow Rate: > 0.224" ESEOD
- Leak Rate: Internal is 1×10^{-3} sccs at 950 psig; External is 1×10^{-3} sccs at 950 psig
- Temperature: 0°F to 150°F
- Electrical Connection: Pigtail/Flying Leads
- Wetted Materials: CRES 304L, 430F, 302, 303, 316, PTFE
- Weight: < 3.4 lbs
- Fast response is <50 ms
- Fully customizable for your application. Tube stub, mounting connections, and electrical connections are all customizable. NRE charges will apply.



Custom designs are our specialty. Contact us today to see how we can help on your next project.

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