

SPACECRAFT SYSTEMS

C-GLV-3 Self-Locking Valve

The C-GLV-3 Self-Locking Valve is a cost-effective and compact product developed based on the GLV-3 low-friction self-locking design for commercial satellite propulsion systems. It is typically installed between the propellant tank and the thruster or as an upstream control valve. The valve is used to open, close, or isolate specific propulsion branches, ensuring the safety and reliability of the propulsion system.

TECHNICAL SPECIFICATIONS

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Dimensions (mm)	Ø31 × 174 × 53
Mass (g)	350 ± 10
Design Life	8 years
Valve Drive Voltage	24 V DC – 31 V DC

Quick Overview

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Key Specifications

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Key Features

- Low friction torque and axial flow design.
- High mechanical reliability with self-locking capability.
- Low cost, lightweight, and low power consumption.
- Excellent adaptability to space environments.

Applications

- Used in **commercial satellite** propulsion systems for propellant flow control.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)