

SPACECRAFT SYSTEMS

Single-Component 30 µm Mesh Filter

The Single-Component 30 µm Mesh Filter is designed for monopropellant propulsion systems to prevent contaminants from entering downstream components such as valves and thrusters. It adopts a mesh-type stainless steel design that ensures high performance and long-term reliability at low cost. The filter is lightweight, compact, and leak-resistant, making it ideal for commercial satellite propulsion applications.

TECHNICAL SPECIFICATIONS

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Dimensions (mm)	130 × 20 × 20
Mounting Material	316L Stainless Steel
Operating Temperature (°C)	+5 to +60
Filtration Accuracy	30 µm
Interface	Welded

Quick Overview

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Key Specifications

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Key Features

- High maturity and proven reliability.
- Stainless steel construction.
- Lightweight and compact structure.
- Filtration accuracy of 30 µm.

Applications

- Used for **monopropellant propulsion systems** to prevent contamination and ensure system reliability.

Documentation & Resources

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