

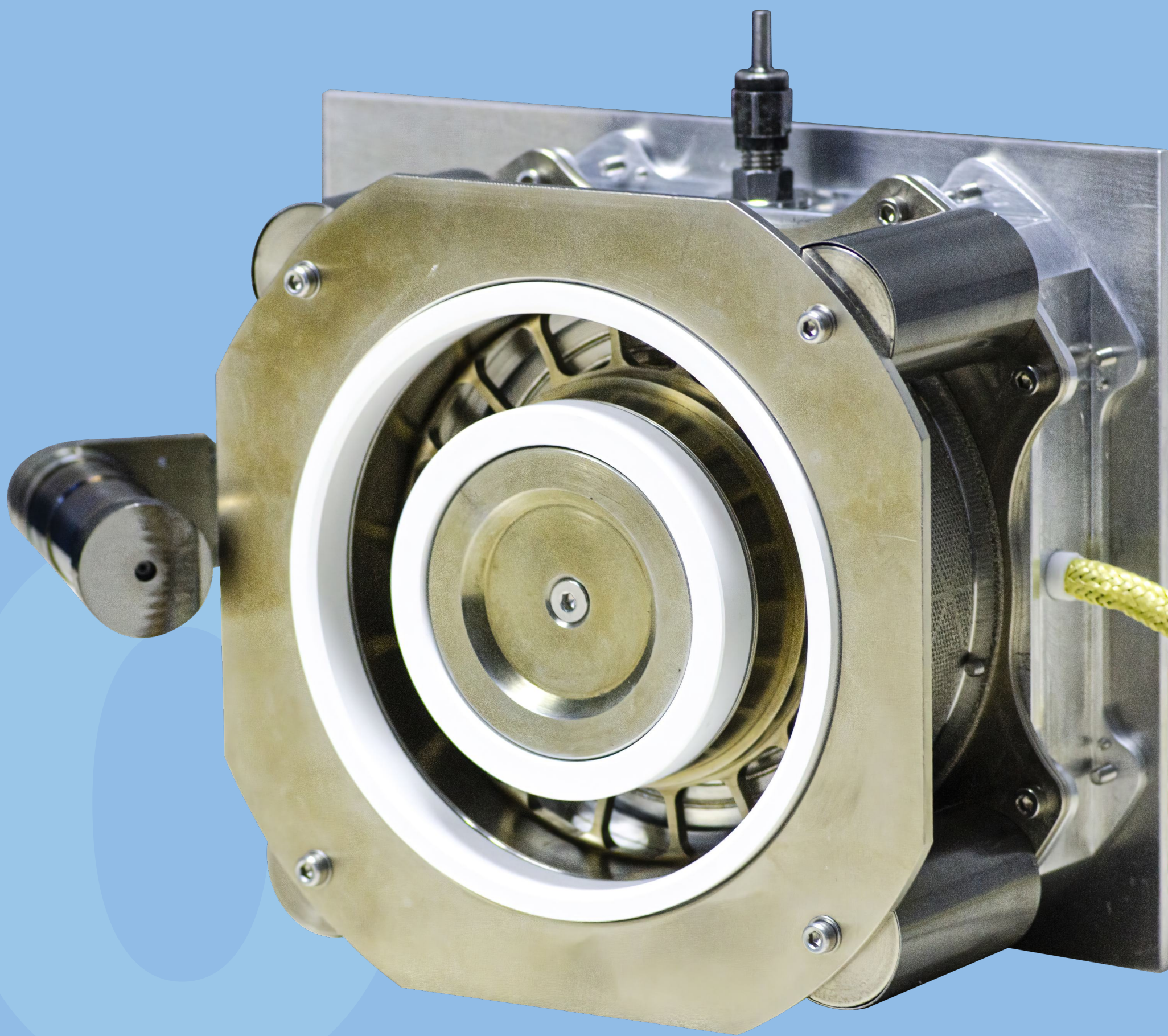
ST-100 PRODUCT SHEET



The ST-100 is a Hall-effect thruster in the 1.5 kW class, designed to deliver reliable and efficient propulsion for a wide range of space missions. With a thrust level of up to 95 mN, it provides a strong balance between performance and propellant efficiency.

The thruster utilizes heated cathodes to ensure stable ignition and operation across different operating modes, supporting consistent performance throughout the mission. To extend operational lifetime, the ST-100 incorporates a magnetic shielding configuration that significantly reduces erosion of the channel walls, enabling long-duration use.

Thanks to its robust design and high efficiency, the ST-100 is suitable for missions across all orbital regimes, including LEO, GEO, and deep space, making it a versatile solution for modern spacecraft propulsion.



Technical Information



Propellant	Xenon, Krypton
Total power consumption, W	800 – 1500
Thrust, mN	50 – 95
Specific impulse, s	1400 – 1900
Total Impulse, MN•s	Up to 3
Efficiency, %	Up to 56
Mass (including two cathodes), kg	3
Dimensions, mm	215 × 143.5 × 110
Cathode type	Heated hollow cathode(s)
TRL Level	6