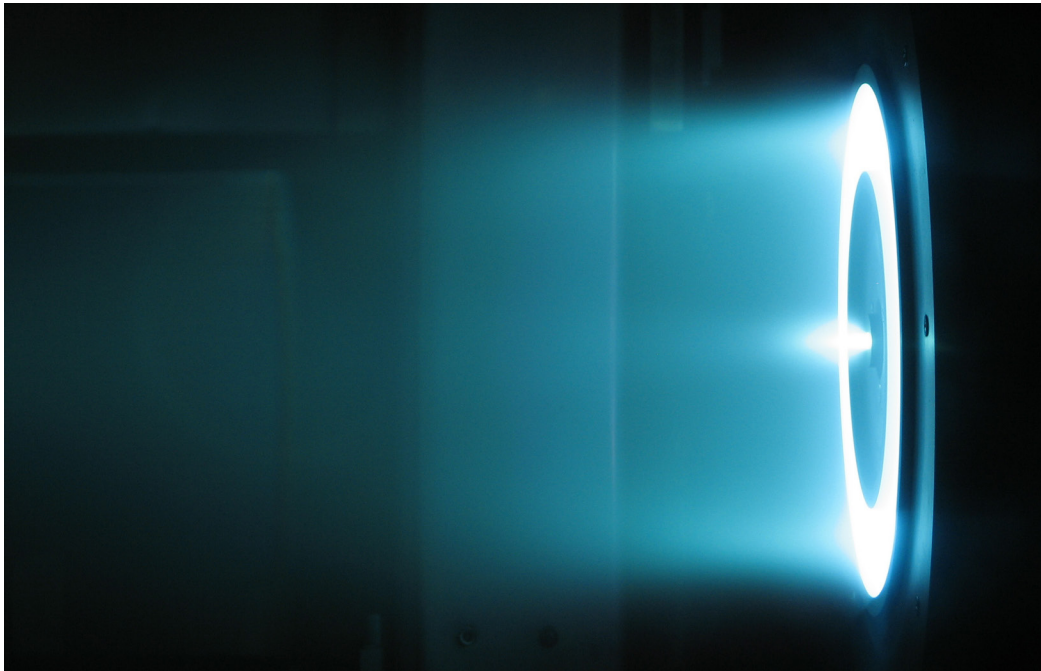


# Messer electronics and specialty gases

Your propellant solutions provider. The quality and experience you demand when quality is the requirement, not an option



*Hall Thruster*

Courtesy NASA/JPL-Caltech

**We are a technology and applications leader with the industry knowledge and applications expertise to meet customer needs across industrial, food, medical, chemical and electronics industries. We offer over 120 years of proven experience in the safe and reliable production and delivery of industrial, medical and specialty gases. We're the talented people you know and trust, now with a new name.**

Formed in 2019 after our business was acquired by Messer Group and CVC Capital Partners, we draw on a rich heritage of industrial gases expertise to meet customer needs. As a part of Messer Group, we are the world's largest privately owned industrial gases business. We know the industries we serve inside and out – and we know our customers depend on us for more than just safe and reliable supply. Today our deep understanding of industry trends and customer requirements allows us to collaborate intensely

with customers to identify and develop long-term solutions that deliver competitive advantage. Our in-depth knowledge of customers' manufacturing processes enables turn-key engineering with minimal plant downtime, and our technology development capabilities provide excellent solutions.

Our team has over 20 years of experience in the Electric Propulsion market including working with major satellite manufacturers, significant DoD projects and research successes such as the Dawn Project.

Our vertically integrated supply chain means your propellant is there when you need it.

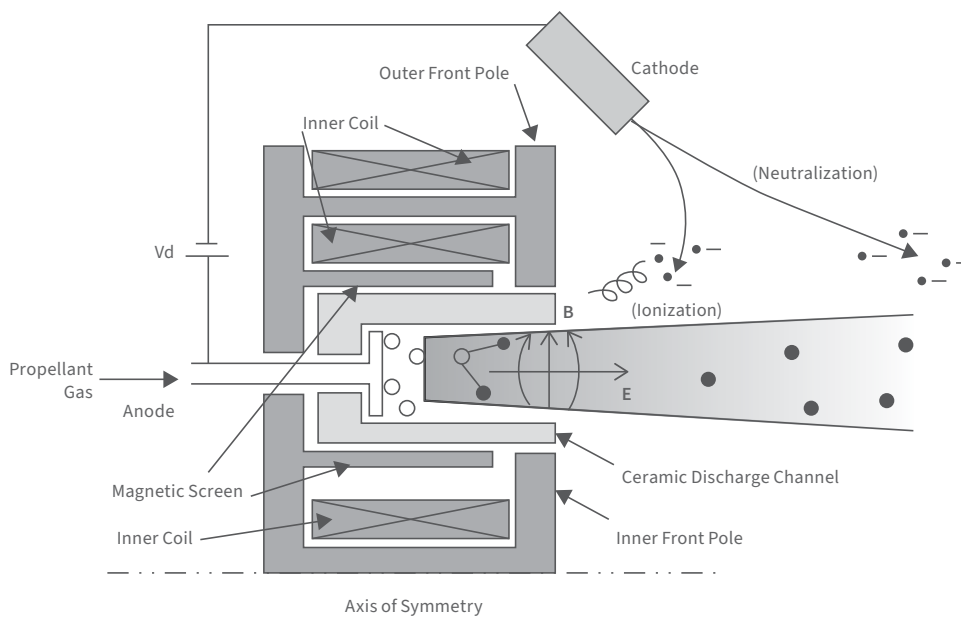
Messer has the product and solutions for your aerospace needs.

### Propulsion Grade Xenon 99.9995%

Impurity	Max PPM
Ar	1.0
CF <sub>4</sub>	0.1
CO	0.5
CO <sub>2</sub>	0.5
H <sub>2</sub>	2.0
H <sub>2</sub> O	0.1
Kr	5.0
N <sub>2</sub>	1.0
O <sub>2</sub>	0.1
THC	0.1

Additional purities available upon request.

### Ion propulsion design diagram



#### Messer Electronics & Specialty Products

6255 Sterner's Way, Suite 101

Bethlehem, PA 18017

electronics.cs@messer-us.com

1-833-7MESSER (1-833-763-7737)

www.messer-us.com

