

TRUE ZERO BOIL OFF MAGNETS, STANDARD BORE PORTFOLIO



The **1.5 & 3.0 Tesla standard bore** superconducting magnets are true zero boil off magnets designed to minimize the total operational costs of your MR system. The compact configuration results in lower total weight and creates flexibility for installation by allowing a multi floor placement. Our magnets fulfill all of the latest regulatory and environmental standards for global siting.

KEY FEATURES

- True zero boil off
- Low total cost of ownership
- Top turret
- Lowest comparable weight in the industry
- Installation flexibility
- Field decay <0.1ppm/hr
- Sumitomo cryo refrigeration-system
- Excellent homogeneity
- Allows for remote magnet health monitoring

KEY BENEFITS

Customization

- Customizable mechanical interface design to meet customer MR system integration design criteria

Development partner

- We believe in development of long-term partnerships that benefit both parties on all aspects
- We have more than 10 years of experience in supporting MRI OEM partners

Support

- Global presence and coverage, including access to the benefits of Dunlee Solutions+ program
- Compliant with latest standards such as ISO 9001/14001/45001, ASME, RoHS, PED/CE & U/L magnet certifications

Specifications	1.5 T Type 5000	3.0 T Type 3000
Dunlee coding	top turret	top turret
Field Strength	1.5T	3.0T
Cryogenic System	true zero boil off	true zero boil off
Clear bore-size	900 mm	890 mm
Size of Homogeneous Volume	500 x 500 x 450 mm	500 x 500 x 450 mm
Length (without interfaces)	1,570 mm	1,570 mm
Width	1,880 mm	1,880 mm
Minimum Ceiling Height	2,700 mm	2,620 mm
Mass with 100% LHe Fill (unpacked)	3,000 kg	4,600 kg
Liquid Helium Capacity	1,670 liters	2,050 liters
Housing material	aluminum	stainless steel
Shimming type	bore or gradient option	bore
Shimmed uniformity	10 ppm peak to peak measured on 45 cm DSV on 12 planes	30 ppm peak to peak on 50 x 50 x 45 cm volume and 3 ppm peak to peak on 32 x 32 x 32 cm volume measured on 24 planes

We are proven magnet experts, with over 40 years of experience in the design, development and manufacturing of superconducting magnets. As from the introduction of the MRI technology back in the late 70's, we are leading and constantly driving the next innovation to benefit the entire

value chain, from system-designer to the patient. This experience, along with our 450+ dedicated employees and a 18,000-square-meter high-tech manufacturing facility, allows us to focus on quality and precision in order to decrease time to market and minimize life cycle costs.

DUNLEE SOLUTIONS+

In addition to the high quality superconducting magnets, Dunlee offers the Dunlee Solutions+ program. Dunlee Solutions+ enables tailor made solutions in magnet service support and

training. This offers expert magnet service support as needed, but also building up the customer's internal magnet service talent to support their own end customer's.

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