

thermo scientific

PRODUCT SPOTLIGHT

Thermo Scientific iCAP Qnova Series ICP-MS

Sample introduction systems for the
iCAP Qnova Series ICP-MS



The sample introduction system for the Thermo Scientific™ iCAP™ Qnova Series ICP-MS enables ease of use and intuitive operation, maximizing your productivity and ensuring reproducible performance.

ThermoFisher
SCIENTIFIC

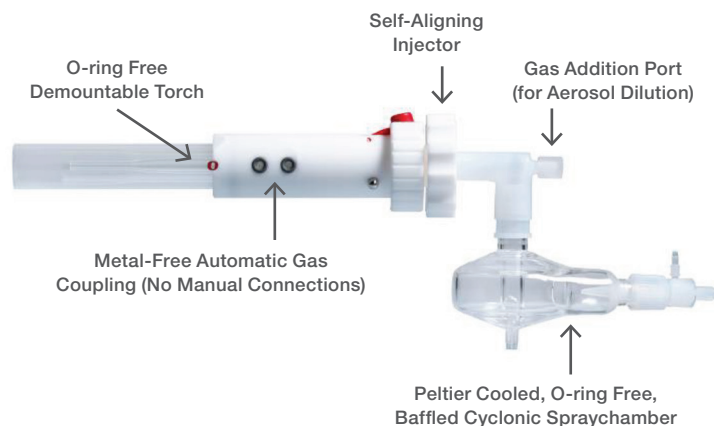
Daily inspection of the sample introduction system is standard practice and allows the user to check for optimal sample transfer to the plasma and for routine cleaning to ensure reproducible data. As such, simple procedures for access and maintenance maximizes productivity and improves the user experience.

The iCAP Qnova Series ICP-MS torch and injector assembly is fully demountable, with a range of injectors to optimize performance based on the sample type. The injectors are self-aligning, ensuring accurate and reproducible data.

The torch comprises unique metal-free automatic gas coupling integrated into the torch holder, guaranteeing trouble-free operation, low backgrounds and rapid assembly. The torch is mounted to the ICP-MS using a bayonet fitting, providing simple removal and refitting for inspection, cleaning or replacement. With this system, it is possible to change between aqueous solvent based applications to organic solvent based applications in a matter of minutes.

Simple removal of the Peltier casing assures easy access to the spraychamber, and simple push-fit gas connections ensure rapid reassembly for maximum productivity. Flexible temperature control of the Peltier enables the spraychamber to be cooled to -15 °C, allowing direct analysis of organic solvents. In addition, simple removal of the spraychamber allows the iCAP Qnova Series ICP-MS to be coupled to other introduction systems for advanced applications, such as Gas Chromatography and Laser Ablation.

- Ease of use and intuitive usability.
- Minimized downtime & easy maintenance.
- Clean, metal free for low backgrounds.
- Customizable for your application.



Quick connect sample introduction system.



Demountable torch assembly.

Find out more at thermofisher.com/ICP-MS