

Helium Recovery System Case Study

Application Details

The customer is a world leader in their field of expertise, responsible for manufacturing magnets for a large portion of the best MRI scanners available on the market. This specific helium recovery application required designing and assembling a pair of subassemblies ready to “fit and forget”.

Customer Requirements

100 subassemblies in total – one type consisting of a pressure reducing regulator with outlet gauge fitted, mounted to a specially designed back plate with a bulkhead tube fitting ready for piping in “plug and play” style; the other type is a custom brass manifold block with 3 different threaded connections and fitted with a special scale colour coded pressure gauge.



Why Boiswood Was Successful

We were chosen for this project as we could provide all of the required components as well as meeting the special requirements by offering customised products, including assembly and testing all completed in-house faster and cheaper than any other competitor. All subassemblies were completed and delivered ready to drop straight into the customers system.

We utilised our unique capabilities to assemble and test all of the subassemblies in our headquarters workshop. All components were sized and selected based on the customers operating parameters, assembled according to the agreed drawings and then pressure tested with Helium to ensure leak tightness.

