

Environmental Specialties has supplied hundreds of 'standard' cold rooms, warm rooms, and freezers over the past 30 years. While this still represents a large part of the business, a growing part of the business in recent years has included cold cleanrooms and ultra low freezers. As a Product Engineer, I find these types of rooms most interesting, and a good fit for a company such as ours with depth in engineering and project management resources.

The cold cleanrooms (40 F +/-) are a niche market for environmental chambers companies such as Environmental Specialties, understanding that standard temperature (70 F +/- range) cleanrooms are generally provided by typical cleanroom builders. Environmental Specialties provides Class 100 to Class 100,000 cleanrooms, with internal stainless steel conditioning units or external air handlers. Of important note, ES offers the custom internal conditioning units in order to provide a more energy efficient, cost efficient, and space efficient method of cooling and air circulation. This unique approach has gained popularity over the years with major pharmaceutical companies, using such an approach versus the more traditional (and more expensive) air handler approach.

Ultra-low freezers have been a part of the product line for many years, but have gained more interest in the recent years as biorepository designers have become aware of, and even promote, the revolutionary designs of Environmental Specialties. Traditional biorepositories rely upon numerous, individual reach-in chambers. While this is easy to order through a catalog, it is not energy efficient, not cost efficient, and not space efficient. ES offers multiple solutions for biorepositories, including multiple reach-in units operated by singular (or redundant) cooling systems, multiple chest units operated by similar cooling systems, or the popular walk-in style with multiple ultra-low compartments, operated by similar cooling systems. The walk-in approach is extremely attractive considering that multiple storage compartments (10, 20, or more) are offered within (1) walk-in system.

Contact the Sales Department at Environmental Specialties to discuss cleanrooms, ultra-low freezers, or any other special design chambers you may require.

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