



Equipment Requirements

(3) Captair 714 Fume Hoods

(2) Captair 483 Fume Hoods

Products Expectations

Reducing our environmental impact by filtering chemical vapors to retain and eliminate toxins as opposed to ventilating outdoors. Need to reduce reliance on primary ducted hoods.



CASE STUDY

Alsym™ Energy

Next-generation non-lithium energy storage



Project Background

Established in 2015, Alsym™ Energy has developed an innovative low-cost, high-performance rechargeable battery chemistry that's free of lithium and cobalt, and ideal for applications such as stationary storage, maritime shipping, and electric vehicles.

By using readily available, inherently non-flammable and non-toxic materials, Alsym is working to deliver performance comparable with lithium ion at a much lower cost—something no other technology can do.

Challenges

As Alsym operates out of leased space we required filtering fume hoods that were flexible for lab placement purposes and where additional HVAC renovations were not practical. It was also decided that chemical vapors should not be allowed to affect their fellow tenants and they wanted to reduce their reliance on a primary ducted hood.

Project Solutions

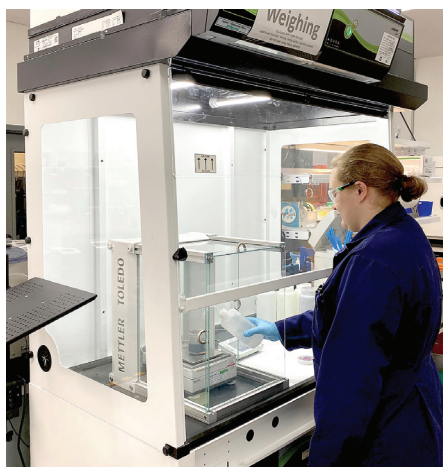
Research was conducted among a few major ductless fume hood manufacturers however deciding factors to work with Erlab were based on their reputation for high-quality filtration equipment, their respect in the industry as a leader, and previous experience with Erlab products. The total buy-in price was the major consideration. Regarding ductwork downtime, complexities of installation, and the coordination required to install a ducted fume hood, a filtered solution was more logical and economical.

Additionally, Alsym's safety officer had worked with Erlab products and felt their filtration capabilities and product construction were appropriate for their labs. They felt the purchased products and service surpassed our expectations as follows:

1. Delivery was prompt, parts were all present and in good condition.
2. We didn't ask for training (although it is offered free of charge) but the owner's manuals were sufficient to get units into operation.
3. Customer service and follow-through has been good. We have reached out about audible alarms and received prompt responses and phone support. We also received assistance concerning filter sizes and replacement filters.

Project Results

"Erlab products have improved the safety of our lab by allowing us to contain operations which may not have been conducted in hoods in the past due to severely limited hood space. The Erlab hoods have also improved staff comfort and confidence as we know that hazardous vapors are being mitigated properly and our staff doesn't feel cramped into inadequate fume hood space."



Captair DFH 483



Captair DFH 714



Captair DFH 483 For Chemical Vapors