

-90°C to 4°C = No Sweat™

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MéCour Introduces the New Dry Air MDAS System

MéCour's new thermal dry air system has numerous applications. We will design the overall system to accommodate your consumables – either benchtop or automated applications utilizing liquid handlers or for upscale manufacturing and high work flow procedures. The new dry air purging system eliminates the onset of any condensation while sustaining and managing your valuable samples between 4°C to -90°C. The compressor unit is compact at 10" W x 20" D & 28" H. Quiet and mobile, it can be placed up to 50 feet from the application and still supply a constant flow of dry air via small tubing connecting the compressor and air feed to the thermal system.



Historically, traditional thermal management systems suffer from unwanted condensation when operating below environmental dew points. The MDAS system eliminates these headaches and present customers with a means to avoid messy excess water accumulation and related issues. This dry air system can be integrated with any MéCour thermal unit that accommodates plates, tubes, and reagent bottles, for benchtop and automated procedures.

Solutions tailored to meet your needs

MéCour will work with the specifics of your application to fulfill all your needs. Your application will be thermally managed to ensure optimal, highly reproducible end results. We can accommodate any number of tubes, vials and plates in either vertical or horizontal orientation, pending available benchtop or deck space. Reagent and media bottles can be fitted with dry air or CO₂ covers as well.



Automated control for best results



MéCour will design a wide range of external protective clear acrylic covers that contain the dry air environment and that are fully accessible via gripper or manual manipulation. Automated retractable covers also operate off the MéCour MDAS unit, providing necessary air pressure to operate solenoid pistons controlling the retractable covers. Control of these retractable covers can be managed via direct wiring and operated through your software.

The MDAS unit provides a constant purge of dry air to the interior of hoods or automated decks without the need to completely seal the enclosure. This allows you to fully conduct your low temp sample prep applications from your lab bench or within a fully automated system. Perfect for eliminating the need to retrieve multiple samples from -80C freezers and risking loss of sample integrity while working through your application process at the bench. Compact plate, vial or tube units allow you to retrieve one sample at a time without compromising the integrity of other samples.

Request a quote for your specific application today

MéCour Temperature Control
10 Merrimack River Road
Groveland, MA 01834
978-372-6085
www.mecour.com