Clean rooms and Climate chambers

Leading supplier to healthcare and research facilities
ADDvise produces modern research environments and offers a complete range within the laboratory fittings, safety ventilation, laboratory equipment, clean rooms, climate chambers and service product areas.

This combination and extensive product portfolio make ADDvise a supplier capable of delivering turnkey laboratories for all types of research environments.

Clean rooms and Climate chambers

ADDvise supplies turnkey clean room and climate chamber solutions. The rooms are adapted to the specific needs and specifications of the individual customer. ADDvise contributes clean room, climate chambers, ventilation and hygiene knowledge and problem-solving.

Clean rooms

Environments with high levels of cleanliness and comfort

ADDvise builds clean rooms that are well adapted to today’s high demands for cleanliness, ease of cleaning, comfort and flexibility. Clean rooms are constructed from ceiling and side panel modules manufactured from materials that have been thoroughly tested for use in these environments. ADDvise clean room systems are primarily built to satisfy the high demands of the pharmaceutical industry, but can also be adapted for other types of industrial applications.

Within the pharmaceutical industry the air must be kept free from bacterial particles so that the contamination of sensitive products is prevented. This requires walls and ceilings with very smooth, easily wiped surfaces, rounded corners and angles, and extremely high air-purification requirements.

ADDvise supplies turnkey clean room solutions and is involved in the entire construction process, from project planning and design, through construction and installation, to validation and monitoring of the completed facility.
Climate chambers

The controlled climate the customer wants
At times artificial climates must be simulated, for example to perform long-term testing or to work with samples that would degrade if exposed to normal climate conditions. ADDvise creates the climate chamber that each specific operation needs. Climate chambers are extremely high quality and lighting, temperature, humidity and atmospheres can be controlled safely and efficiently. ADDvise offers all sizes of climate chambers, from smaller chambers to rooms constructed on-site. Room size is tailored to the needs and specifications of the customer.

ADDvise can:
- supply chambers with controlled lighting, for example to simulate changes over a 24-hour period/cycle
- regulate atmospheres, providing controlled carbon dioxide, oxygen and nitrogen
- regulate ventilation between outer and inner walls for the most constant climate possible throughout the room
- maintain constant 10% to 100% relative humidities
- construct insulated outer and inner walls with quick-connections for easy cleaning
- maintain constant temperatures between -25°C and +70°C

Validation and monitoring
ADDvise offers a wide range of services for the validation and monitoring of clean rooms and climate chambers.

Validation and monitoring includes:
- design of hygienic environments
- documentation, monitoring and inspection of clean rooms: DQ, IQ, OQ, PQ
- calibration and monitoring of differential pressure transmitters
- inspection of blueprints and drawings
- measurement of deviation levels for HEPA filters in ceiling vents
- measurement of light intensities
- measurement of differential pressure between environments
- measurement of air circulation
- measurement of directional air flow
- measurement of temperatures