TROX® TECHNIK
The art of handling air

STABLE PRESSURE

Air can easily overcome barriers and can, hence, not be locked out. With the air management system it is possible to precisely control pressures in the clean room and adjoining areas and to isolate rooms with particularly critical requirements of air cleanliness from those with less critical requirements.

The control system provides a tailored solution for safe and energy-efficient airflow control in sensitive areas such as clean rooms, hospitals and laboratories. Quick-response control loops are suitable for the volume flow control in fume cupboards and for room pressure control, e.g. in clean room production facilities, in operating theatres and in ICUs. Complex room balancing functions and room monitoring functions are likewise possible.

The room air management system has been optimised for conditions as they prevail in clean rooms. It includes VAV terminal units, electronic controllers, monitoring systems, sensors and control panels. The integral control logic allows for displaying and controlling different room situations precisely. Another
advantage of the TROX air control system is the independent room management function. Critical room functions are controlled locally. For example, the room pressure can be maintained without any delays. Even an uninterruptible power supply (UPS) can be included. The system is extremely flexible and provides different interfaces for the connection to the central BMS (e.g. BACnet, Modbus, LON, or IP-based via Ethernet).

DIFFERENTIAL PRESSURE TRANSDUCER

Differential pressure transducer with static differential pressure measurement, for volume flow rate measuring units. With sensors that can be validated to GMP (upon request).

ROOM MANAGEMENT SYSTEM

Room management system The integral control logic allows for displaying and controlling different room situations precisely.