

# BUILDING INTEGRATED AIR FLOW SOLUTIONS

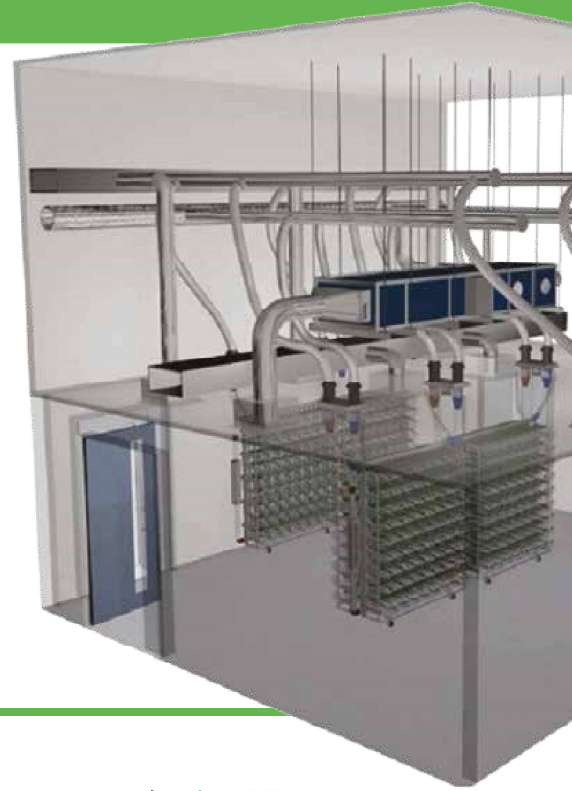


MULTI FLOW

- IVCs INTEGRATION SYSTEM:
- CREATE MORE SPACE IN YOUR IVC ROOMS
    - CUT YOUR IVC RUNNING COSTS
      - HUMIDITY AND VENTILATION CONTROL
  - LESSEN THE IMPACT OF MAINTENANCE IN THE HOLDING ROOM
    - WORKING PRESSURE MODE EASY TO SET

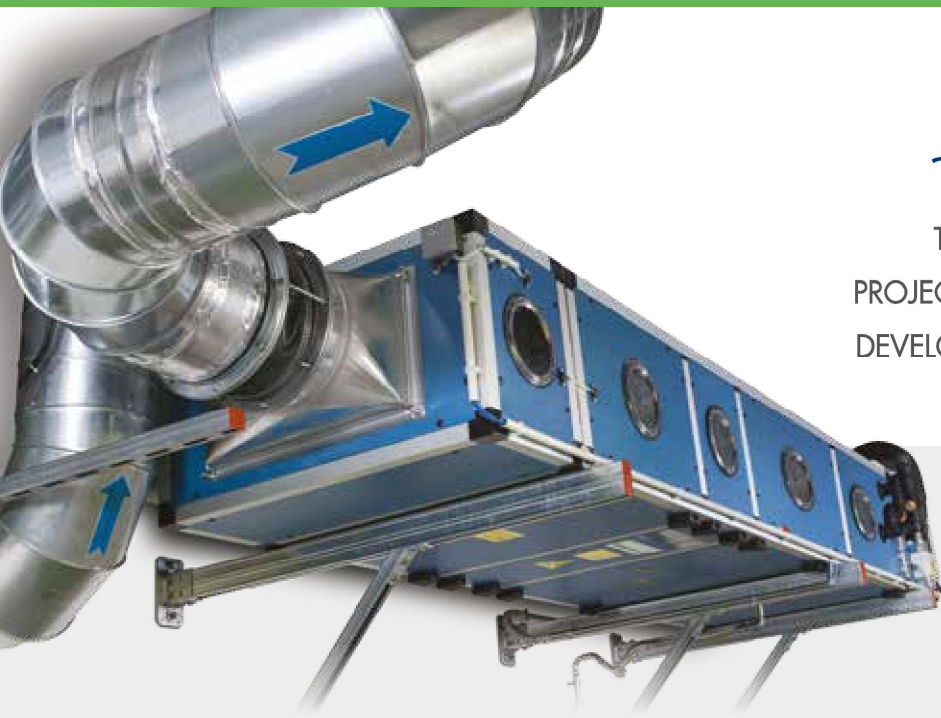
WHEN DESIGNING A NEW FACILITY, PROJECT TEAMS ARE LEFT WITH A CHOICE: IS IT BETTER BUILDING AN INNOVATIVE GREEN BUILDING FROM THE GROUND-UP, OR MAINTAINING THE STATUS QUO AND ADOPT A MORE TRADITIONAL SOLUTION?

A NEW WAY OF SAVING MONEY AND ENERGY, REDUCING EQUIPMENT AND MAINTENANCE TASKS IN THE ROOM, IS REPRESENTED BY BUILDING INTEGRATED AIRFLOW SOLUTIONS, WHICH COMBINE IVCs AIR DELIVERY AND EXHAUST WITH THE BUILDING AIR HANDLING SYSTEM.



*Let us help you  
to design your facility!*

THANKS TO OUR DEDICATED AND SKILLED PROJECT MANAGEMENT DEPARTMENT, WE CAN DEVELOP 3D FACILITY LAYOUTING TO BEST MEET OUR CUSTOMERS' REQUIREMENTS



MULTI-FLOW IS THE NEW AIR HANDLING UNIT DUCTABLE FOR IVC'S INTEGRATION SYSTEM, SPECIFICALLY DESIGNED FOR RELIABILITY, HIGH PERFORMANCE, ENERGY EFFICIENCY, FOR INSTALLATION IN MEZZANINE WITH DUCTING SYSTEM.

## MULTI FLOW

- Fan unit providing airflow to up to 14 single-sided racks
- The rack can be conditioned to RH 55%
- Condition the rack temperature
- Eliminate fans from the holding room
- Reduce energy consumption
- Maintenance outside the holding rooms
- Cost allocation moved from the equipment list to the building and maintenance budget





### CONDITION YOUR RACK AIR

Constant humidity and temperature at cage level, ensuring that each cage keeps standardized settings for top animal health.

### THE FAN BOX

Designed to provide best thermal and acoustic isolation, it is supplied in a modular form to improve maintenance process.

### THE RACK CONNECTIONS

Quick fit hose points are provided at ceiling height to directly connect the racks to the supply and exhaust systems. The room can be provided with a pressure inverter to easily switch the pressure supplied to the racks from positive to negative, or vice versa.



### KEEPING THE BEST STANDARDS

Multi-Flow meets and exceeds current regulations: the “Eurovent Certified Performance Certificate” assures that the equipment, its mechanical features and performance are compliant with energy specifications.

### CONSTANT AIR FLOW REGULATORS

The CAR valve balances airflows in IVCs Rack Ventilation supply and exhaust air ductworks:

- Smart design Elastomer double lip-seal for better positioning and airtightness
- Multi- airflow: rotative ring for on-site airflow setting
- Recyclable, chlorine-free plastic with fire-resistance rating B-S3-d0 (Euroclass) S/S regulation spring

