

AIR HANDLING UNITS AEROMASTER XP AND AEROMASTER CIRRUS FOR EXPLOSIVE AREAS



Air handling units AeroMaster XP and AeroMaster Cirrus dedicated for a use in an explosion hazard environment comply with ATEX 114 directive (EU Directive 2014/34/EU) and are supplied in indoor or outdoor version. Each unit with ATEX certificate is designed and calculated individually, according to explosion hazard environment specification.

Every air handling unit has its unique compliance certificate. Safety and ATEX compliance tests are made in an independent testing laboratory Notified Body 1026/ AO 210 - FTZÚ Ostrava Radvanice. Each device must be equipped by the label according to explosion hazard environment specification.

EXPLOSION PROOF UNITS SPECIFICATION:

- ✓ AHU in compliance with ATEX 114 (EU Directive 2014/34/EU)
- ✓ Certificate of compliance FTZÚ upon request
- ✓ According to ATEX 137 (EPaR Directive 1999/92/EC) for ATEX Zone 1 or 2
- ✓ For a group of devices (application area) II
- ✓ For Device category 2
- ✓ For gases of Explosion Group G
- ✓ For gases of Explosion Group IIA, IIB
- ✓ For gases of Temperature Group T3, T4

THE DIFFERENCES OF ATEX AIR HANDLING UNITS IN COMPARISON WITH STANDARD VERSION:

- ✓ All the parts have metal connection or contact to the central grounding point
- ✓ Fan motors and impellers have the type examination certificate in compliance with ATEX directive
- ✓ Air filters are made of antistatic material
- ✓ Special bearings
- ✓ Special grounding, conductive bridges and bushing
- ✓ Units are produced with casing tightness L1 according to ČSN EN 1886:2008
- ✓ Special chemical composition of aluminium parts
- ✓ All supplied components have its own certificate from authorized testing laboratories valid in EU countries



Example of ATEX marking on label

