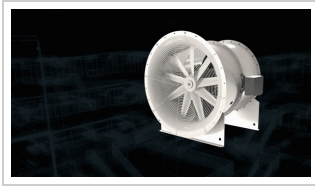


SMOKE EXTRACT

BVAXR 9/27 SMOKE EXTRACT FAN



ON THE SAFE SIDE

The blades of the new reversible BVAXR smoke extract fans have symmetrical contours that ensure almost consistent performance levels in removing hot fire smoke or supplying fresh air. The axial fans are tested to EN 12101-3 and CE certified. They offer the highest degree of safety and meet even the critical requirements for underground transport systems and car parks.

POWERFUL REVERSIBLE SMOKE EXTRACT FAN

- Symmetrical blade contours allow for reversing the direction of rotation
- Speed adjustment with X-FANS control; frequency inverter runs even during smokeation
- More than 95% efficiency with reverse operation
- More than 70% efficiency with standard operation
- Rigid lightweight construction
- Optimised motor suspension system for horizontal or vertical installation reduces vibration
- Wide area of application: for ventilation and smoke extract certified to 12101-3 F300 / F400
- Excellent price-performance ratio

TECHNICAL SPECIFICATION

- Nominal sizes 315 – 2000 mm
- Motor sizes 90 – 315 (158 kW)
- Volume flow rates of up to 250000 m³/h and more
- Differential pressure up to 1000 Pa



PDS PRESSURE DIFFERENTIAL SYSTEMS



SAFETY DUE TO CONTROLLED PRESSURE

In the event of a fire, pressure differential systems keep escape routes such as stairwells free from smoke by creating a positive pressure there. This positive pressure prevents the smoke from entering the pressurised area when escape doors are opened. Air flowing from open doors of the pressurised area drives the smoke to vents in the affected storey; the vents, e.g. windows or a smoke extract shaft with a smoke control damper, are controlled to open automatically so that the smoke is exhausted.

Another type of system are purging systems according to a German VDMA standard. With such systems the pressure is maintained, but the entry of smoke is not entirely prevented. Such systems can be used for spaces that do not have to be totally free from smoke.

ON THE SAFE SIDE

- Complete safety system of integrated components and functions
- All components from a single source
- Consultancy in designing pressure differential systems
- Commissioning and adjustment of the overall system
- TROX accompanies acceptance procedures by surveyors