



RVK-EX Circular Duct Fans

Speed-controllable, explosion-proof centrifugal fan for duct installation

- Handles volatile gases
- Flexible use
- Compact

[Find more details in our online catalogue](#)

Flexibility

The RVK-EX is intended to use for **supply** or **extract** air, designed to be installed in **any position**.

Reliability

The **casing** made out of conducting plastic is lightweight and hard-wearing. This makes it perfect for protecting **against the damages** of regular use and **damp working environments**. The combination of casing and motor construction minimises the need for maintenance of the fans and allows long **continuous operation**.

Performance

The RVK-EX can be used for zone 1 and zone 2; Field of application for gases of groups IIA, IIB and also hydrogen, temperature class T1, T2 and T3.

The type of protection is "Ex h" constructive safety.

Accessories

RVK-EX can be selected together with variety types of **accessories** as fast clamps, etc.

Features

Construction

The casing made out of conducting plastic is lightweight and hard-wearing.

The RVK-EX 315D4 fan complies with the ATEX regulation

RVK-EX is certified under the no TPS 20 ATEX 085751 0009 X. Explosion proof version comply with EN 60079-0, EN 60079-7, EN 14986, DIN EN ISO 80079-36 and DIN EN ISO 80079-37.

Impeller

RVK-EX use backward curved **radial** impellers. These are dynamically **balanced** and paired with corresponding external rotor motors.

Motor

The fan is equipped with **AC** external rotor motor. The Motor is suitable for **50Hz**.

Motor protection

The Motor has a prewired integral **PTC thermistor** with external leads to be connected to a **motor protection device as U-EK230**.

Control

The RVK-EX 315D4 can be controlled by reducing voltage via 5-step controller in combination with the Systemair Standard tripping unit U-EK230E EX.

Installation

RVK-EX can be installed in any position. Spigot with 25 mm length is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.