



# LTG Cyclone

## Type ZSA / ZSB / ZSC

LTG Centrifugal separators are extremely useful for extracting fine dust from the air stream.

Their characteristics are:

- High efficiency
- Very exact separation possible
- Large air volume range
- Low-maintenance operation

The LTG Centrifugal Separators type ZSA, ZSB and ZSC operate within an air volume range of **100 - 5,500 m<sup>3</sup>/h** (60 - 3,250 cu.ft./min).

Their robust design and protective interior lining ensure a **long service life** and the **highest degree of reliability, safety and availability**.

## Functional description

The particle-laden air stream enters the separator tangentially at the top, creating a rotating airflow (vortex). By centrifugal force the dust particles are moved along the outside wall where they are separated and, in spiral motion, slide into a collection device (plastic bag).

It is also possible to mount an LTG dust compactor below the separator. In the lower part of the housing, the air stream is forced to reverse and flows upwards through the immersion tube (cyclone turbulence).

## Application in various industrial sectors:

- Textile
- Non-Woven
- Woodworking
- Paper and Packaging
- Cellulose
- Tobacco
- Manufacture of Powders
- Surface Coating

## Advantages:

- **No rotating or moving parts**, ensuring maintenance free operation
- **Easy separation of fine and finest particles**
- **High separation efficiency**
- **Continuous operation**
- **Robust design**
- **Can be operated with positive or negative pressure**
- **Reduction of pressure loss** through a pressure regain piece in the top portion (ZSB feature with return air plenum only)
- **Exact adaptation to any air volume** due to an extensive variety of available sizes



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[» Spare Parts Cyclone \(PDF\)](#)

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