

REINFORCED DUST COLLECTORS FOR ALUMINIUM

The Aluminium dust, in a particular concentration, or if in contact with an ignition source (i.e.: sparks, flames or electrical discharges) might catch on fire or explode. The Reinforced dust collectors are designed to reduce the effects of hypothetical explosions inside the unit, in presence of aluminium dust or chips involved in the process.

The main features are:

- Reinforced structure with thicker steel plates
- Calibrated pressure relief vents for overpressures caused by explosions
- Air diverters to avoid explosions go back to the machine
- All ATEX components to prevent explosions caused by aluminium dust or chips
- ATEX Complied Unit

APPLICATIONS

- Aluminium alloys and titanium processing
- Laser cutting
- Plasma cutting
- Grinding
- Welding
- Smoothing
- Deburring

ADVANTAGES

- Workplace safety
- Pressure relief vents
- Reinforced structure
- ATEX complied
- ATEX components
- Air diverter to avoid explosions go back to the machine



APPLICATIONS:

- Laser cutting
- Plasma cutting
- Welding
- Deburring

SafeFlow

CaCO₃ DISPENSERS

The calcium carbonate gravimetric dispenser has been designed to prevent and reduce the risk of explosions and fires inside the dust collector or in the connecting pipes, during the processing of aluminium dusts. The DISPENSER is installed on the pipe run upstream the dust collector.

ADVANTAGES

- Workplace safety
- Quick installation
- No maintenance costs
- Applicable to any type of dust collector
- Tailored scheduling
- Minimum footprint
- Can be turned on when necessary