## AIRCOMPACT





The CORAL AIRCOMPACT cartridge filter with reverse pulse com- pressed air washing is composed of cartridge filtering elements enclosed in a central hermetic sealed unit and is designed for use in depressure systems.

The dust air enters through the coupling at the base of the hopper and, due to the sharp decrease in speed and pre-fragmentation on impact, the particles with the highest granulometry settle down and end up in the collection bin.

The finer or lighter particles rise in the unit, containing the cartridge filters, the polluted air passes through the cartridge filters, from the outside towards the inside, so that the dust deposits externally whereas the air returns upwards through the cartridges and exits purified. This progressive depositing of dust means that the cartridge filters must be cleaned periodically: a jet of compressed air allows reverse pulse washing and subjects the cartridge filters to a high frequency oscillating motion.

This jet referred to as "shock wave", obviously favors the blowback washing process.

The filters are cleaned by sector, through membrane solenoid valves, controlled by a cycle timer that sets the pauses or running times with a PLC.

This permanently maintains the filter efficiency status at maximum levels.

This type of cleaning, extremely reliable, after an initial running period, means that the filter reaches a stable pressure loss value that remains practically constant throughout its working life cycle. Standard filter cartridges are made of polyester 270g/m2 BIA certified and USG tested. As optional are available various types of filtering media depending on applications: Teflon coated polyester - aluminate/antistatic - oil/water repellent, cellulose fabric, BIA certified & USG, C or USG tested.

Pls. contact our technical department to select the filtering media suitable for your needs

