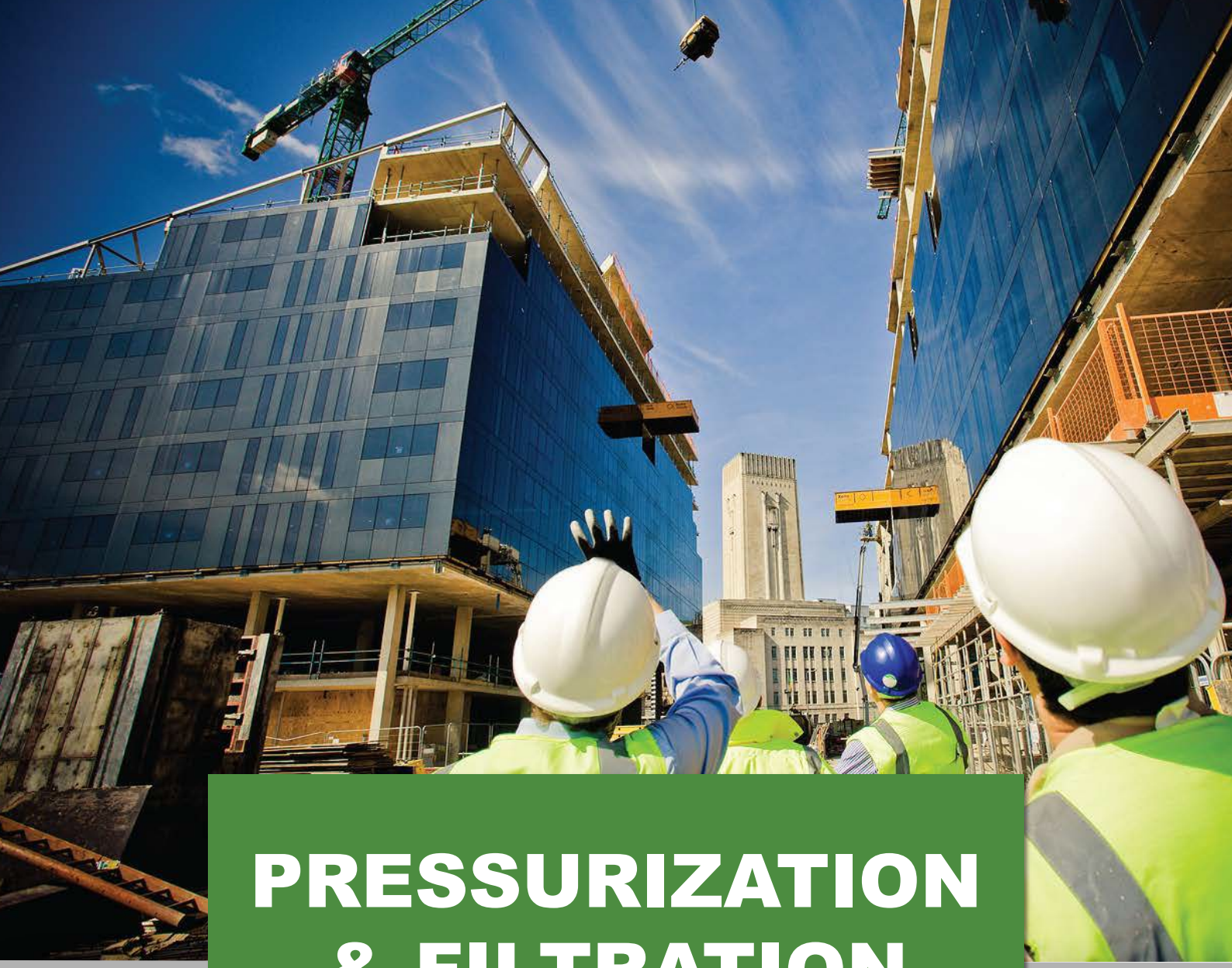


PRESSURIZATION & FILTRATION SYSTEMS

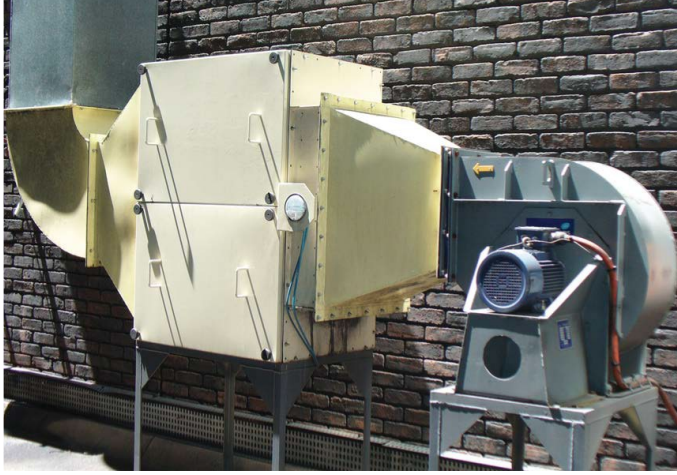
Ideal for Commercial Properties, Shopping Malls and Office Buildings

FloSolve

a member of the Hudaco group

PRESSURIZATION & FILTRATION SYSTEMS

Ideal for Commercial Properties, Shopping Malls and Office Buildings



Our filter system is designed in such a way that sub stations, control rooms, offices etc will be under positive pressure so that dust will be kept from entering these areas. The air, blown into the room, is filtered with a double stage filter system. Stage one is a centrifugal filter to separate the bulk of the dust before it enters the second stage or final pocket filter. The stage one centrifugal filter extends the life of the pocket filter to the maximum.

Why do we want to remove dust from these rooms?

Ambient air contains a variety of particles with different chemistry, particle sizes and concentrations. Examples of the particles we find in ambient air include soil or sand particles, spores and pollen, soot, smog etc.

These tiny particles of dust particles can cause damage to people, machinery and equipment.

- It can insulate the devices causing them to overheat.
- It can attract moisture causing leakage problems.
- It can be directly conductive also causing leakage problems.
- It can cause poor contact in relays, switches and connectors.
- It can cause arcing and carbon tracking in higher voltage apps.
- It makes it more difficult to service the equipment.

By applying positive pressure to a room with filtered air you will reduce the concentration of these undesirable particles.

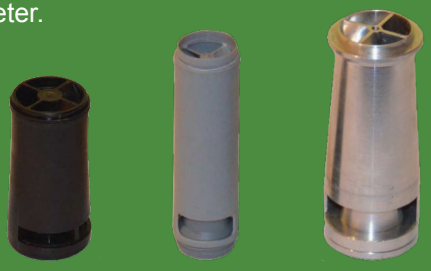
The benefits of pressurizing and filtering the air into these rooms includes:

- Less machinery failures
- Longer lasting second stage filtration
- Cost savings

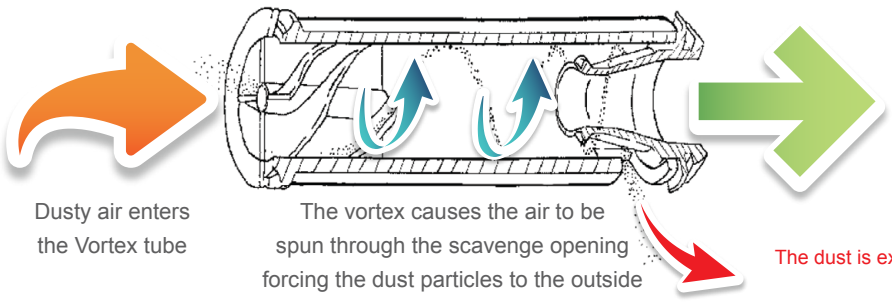
IT'S ALL ABOUT THE PRE-FILTER

The pre-filter is the what differentiates our systems from those of our competitors. The CFT pre-filter is the reason you will see reduced costs, less machinery failures and an overall safer environment.

Centrifugal Filtration Technology is a pre-filter utilising mini axial cyclones. Axial cyclones are compact and very efficient due to their small diameter.



HOW DOES THE PRE-FILTER WORK?



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