



CPC

The TROX CPC is a new generation of Constant Pressure Control Units. They combine an aerofoil blade multi leaf damper with a constant pressure controller, pressure sensor and actuator. There are no open electronic parts or wiring, as the actuator, the pressure sensor and the controller are all in one small casing the size of a normal actuator. This unit provides a maintenance free compact solution. The duct pressure is measured upstream or downstream of the damper (depending on where the pressure should be kept constant) against outside pressure. A 2m pneumatic plastic hose is supplied to connect the measurement point with the control unit (reference pressure can also be measured in different places by using another plastic hose leading to the place with the desired reference pressure). This is certainly the most cost and time efficient way of installing a whole constant pressure solution. No separate electric panel, no sensitive electronic parts to be protected, no extra wiring, no compatibility problems. The damper of the CPC is the TROX JN-damper series. It is possible to use other TROX multi leaf dampers, for example

Product Description



- Very reliable, exact and fast responding sensor, controller and actuator technology.
- No extra wiring involved other than power supply (if fixed pressure setting is required).
- Compact solution: one enclosure (IP54) for controller, sensor and actuator.
- Pressure fixed or adjustable within a range: manually via TROX adapter (see accessories) or by 0 to 10V input for example from another controller or a BMS system.
- Every CPC is programmed, adjusted and tested on the sophisticated calibration rig at the TROX plant.
- Reprogramming of the set pressure is possible at any time either via a programming tool or by the TROX engineers (contact the Technical team at the TROX Pietermaritzburg plant).