

Accubloc Engineering Specifications

1 unit **Accubloc regenerative heat exchanger**

Comprising 2 aluminium heat stores which can be removed for cleaning. An upstream and downstream damper system.

Temperature efficiency up to 95 %. Moisture recovery up to 75 %. The heat storage blocks can be removed for cleaning as per VDI 6022. TÜV certified performance.

Sound absorption at 125 – 4 K Hz over 10 dB. The Accubloc system has been tested in Switzerland by the HVAC test centre (Lucerne University of Applied Sciences and Arts – School of Engineering and Architecture) in accordance with EN 308:

Leakage rate: Measured according to EN 308 category 3, using tracer gas monitor, without increase during service life

Special airstream changeover dampers

With low leakage air rate. Optional as per DIN 1946-4.

Casing made from a moulded aluminium C-profile; can be combined with warp-resistant aluminium.

Temperature-resistant up to 60 °C, aluminium damper shafts, galvanised steel drive shaft, pressed into fin profile core reinforcement and seated on oil-soaked sintered bronze friction bearings and dust-proof ball bearings with 4 on each side. Fins have a counter-rotating connection and are specially designed for high wear resistance during continuous operation through dust-proof, permanently lubricated ball bearings.

ACB control unit

Non-contact, fully electronic version for high wear resistance during continuous operation.

The changeover of the louvre dampers is controlled, subject to the thermal output demand, via an external 0 ... 10 V signal and an enabling contact. Output for fault display.

Optional – sorption coating

The heat storage blocks have a high quality sorption coating.

The humidity transfer therefore achieves a level of over 75 % in winter and summer alike.

