Specification text Krivan

Hoval

Hoval Enventus crossflow plate heat exchangers for energy recovery, consisting of the exchanger package and the casing. The exchanger package consists of specially formed aluminium plates. The surface profile has been designed and extensively tested to provide maximum efficiency. The focus was on performance: Krivan plate exchangers offer an optimal ratio between thermal efficiency and pressure drop. The plates are connected by a fold, which gives a severalfold material thickness at air entry and exit. The corners of the exchanger package are sealed into especially rigid aluminium extrusions in the casing with a sealing compound. The side walls of aluzinc sheet steel are bolted tightly to these extrusions. All performance data is certified by Eurovent and TÜV Süd. The suitability of the exchangers for use both in general ventilation technology and in hospitals is certified by independent test institutes.

Series

- V: Aluminium plates, aluzinc sheet steel and aluminium corner sections; differential pressure stability: max. 2500 Pa; silicone-free; resistant to temperatures up to 80 °C.
- T: Aluminium plates, aluzinc sheet steel and aluminium corner sections; differential pressure stability: max. 1000 Pa; special sealing compound; resistant to temperatures up to 200 °C.
- G: Coated aluminium plates, coated aluzinc sheet steel and coated corner sections; differential pressure stability: max. 2500 Pa; silicone-free; resistant to temperatures up to 80 °C.
- C: Aluminium plates, coated aluzinc sheet steel and coated corner sections; differential pressure stability: max. 2500 Pa; silicone-free; resistant to temperatures up to 80 °C.
- D: Coated aluminium plates, aluzinc sheet steel and aluminium corner sections; differential pressure stability: max. 2500 Pa; silicone-free; resistant to temperatures up to 80 °C.

Construction types

- -: Individual plate heat exchanger (standard)
- Z: Twin plate heat exchanger – 2 single plate heat exchangers, optionally without bypass, with bypass or with bypass and dampers. If dampers are ordered, they are only mounted on one of the two exchangers. Assembled on site in the air handling unit.
- Y: Twin plate heat exchanger – 2 single plate heat exchangers with bypass and dampers on both exchangers. Assembled on site in the air handling unit.

Options

- Side or middle bypass: suited to the exchanger package.
- Control dampers: installed in front of exchanger package and bypass; sheet steel damper blades, aluzinc sheet steel housing; high-quality plastic drive gears outside the air flow;
- leak-tightness class 2 according to EN 1751; series G and C are powder-coated.
- Side or middle circulating air bypass: suited to exchanger package; incl. control dampers and circulating air damper with sheet steel damper blades, aluzinc sheet steel casing and high-quality plastic drive gears outside the air flow; leak-tightness class 2 according to EN 1751; series G and C are powder-coated.
- Leak-tightness test: additional sealing with casting resin; thus extremely watertight design; incl. water test.
- Horizontal installation: plates arranged horizontally.
- Adapter for actuator: for inside drive of the control and circulating air dampers.
- Reinforced packaging: additional wooden crate on top, 4-sided covering of the exchanger package with wood fibre boards, machine wrapping foil.