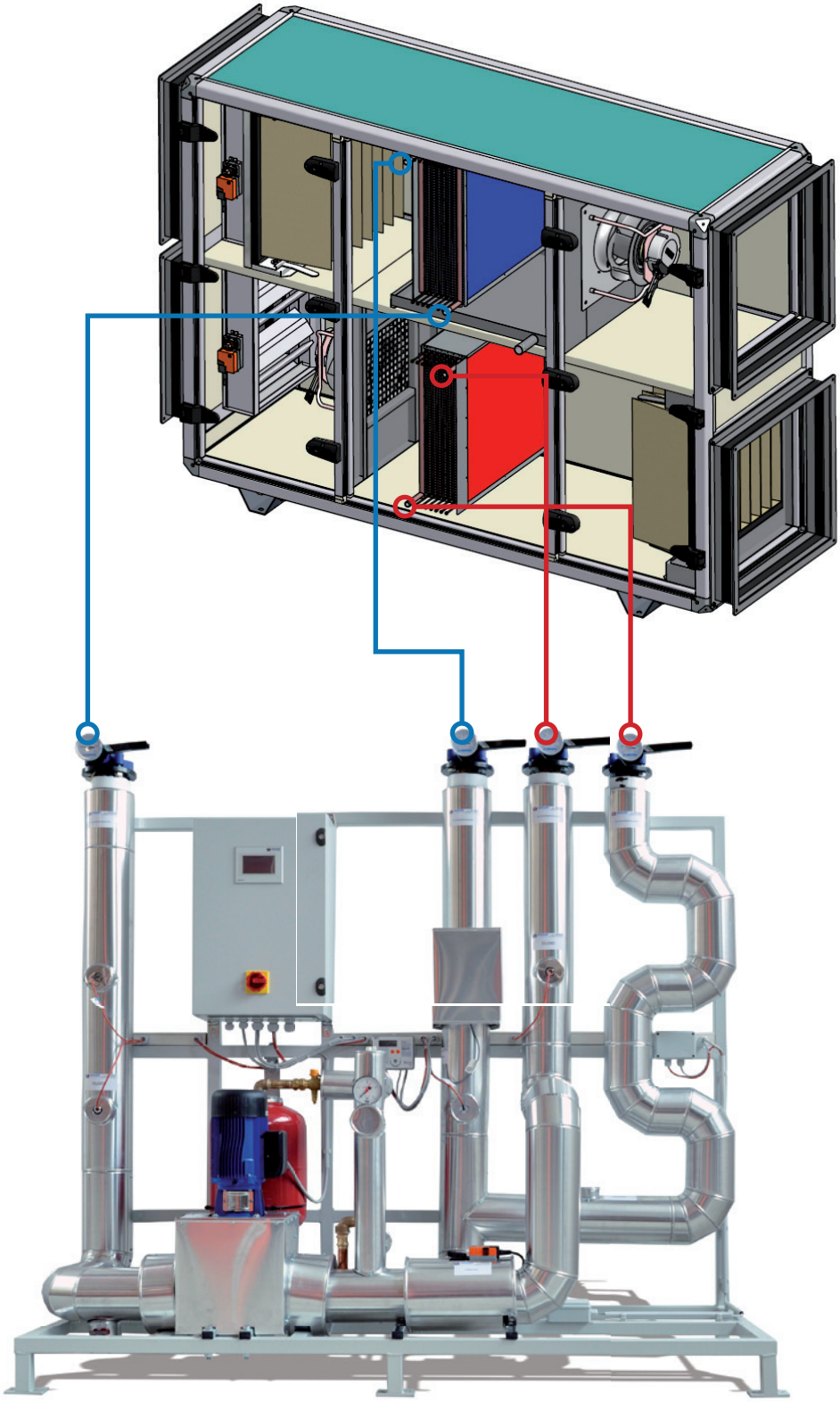
Weger-HPS

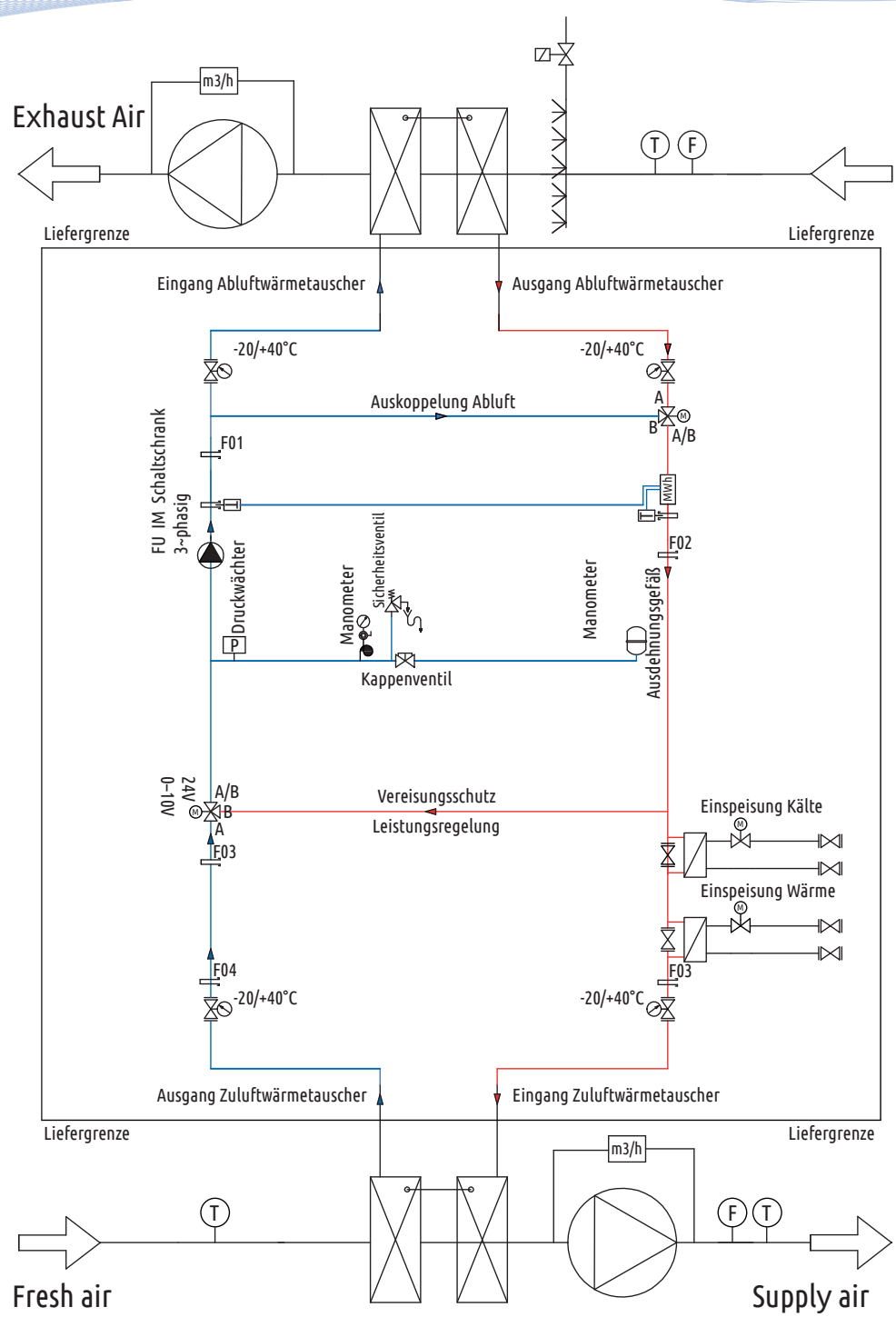
Hydraulic module for high efficiency heat recovery thanks to the run-around-coil system

WEGER
quality air, quality life

Weger-HPS



Schematic



- 2 Wege Ventil
- Flaschenventil
- 3 Wege Ventil mit Stellantrieb
- Kappenventil
- Magnetventil Befeuchter
- Adiabatische Befeuchtung
- Zeigerthermomether
- Wärmemengezähler
- Fühlertauchhülse
- Mehrstufige Kreiselpumpe
- Vorsehung Anschluss
- Manometer mit Absperrung
- P–MIN. Druckwächter
- Rohrleitungen Kupfer
- Membranausdehungsgefäß
- Volumenstrom-Messumformer
- Temperaturfühler
- Feuchtmessung

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Control system description

imperia 3 HPS

The system starts through a free potential contact or automatically as soon as the request is higher than 3%; in the same way the system turns off as soon as the request is less than 1%. The relation between the air and the water-glycol will be constantly controlled thanks to the pump regulated by its inverter.
The integrated frost protection ensure the icing of the exhaust air coil.
An M-Bus interface is used to acquire the volume of the glycol circuit. thanks to the interface we have an exact information about the fluid volume, capacity and energy. The acquisition of the energy will be done separately for the warm and the cold case.
The air volume will be registered thanks to a 0-10V signal.
The intelligent IMPERIA 51 HPS control unit turns the installation into an high-efficiency system.