Engineering information

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1. Water quality must be 0 ° (no hardness increase)
2. Plastic or stainless steel water pipes, **no copper pipes**
3. Provide a water filter in the untreated water
4. Untreated water pressure at softener min. 3 bar, max. 6 bar
5. Return air guide diagonally from top to bottom through the plate heat exchanger
6. Position of the wetting unit must be at the top of the return air intake
7. Provide a mist eliminator on the exhaust air side
8. Accessibility through service doors to the wetting unit must be guaranteed for monitoring and maintenance work (incl. slip-resistant air separator)
9. Accessibility to the exhaust air side of the exchanger is highly recommended. No service opening is possible in the exchanger and Softcool® area
10. Full length stainless steel drain pan
11. Capacity of the drain pan on the exhaust air side of at least one wash cycle (we recommend a minimum rim height of 80 mm)
12. Drain pan on the exhaust air side at least $1\frac{1}{2}$ inches
13. Size the trap according to the underpressure/overpressure
14. Ensure separate drains for softener (backwash/overflow). Drain into open drain
15. Wall conduit for the electrical cables and water pipes at the control panel (not prepared at the factory)

Installation information

1. Softcool® is generally supplied as a module for ventilation units.
2. The heat exchanger is watertight. The plate heat exchanger should therefore be carefully sealed with PU sealant (e.g. SIKAflex 521) to the casing, particularly at the return air/supply air joint (never use silicone due to inadequate adhesion).
3. Where there are connections, pay attention to the flow direction at the solenoid valve and pressure reducer (arrow on fitting).

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