

How the Airbitat Smart Cooler works



First stage of cooling

- The incoming air at 34 deg C, for instance, is cooled by chilled water running through a coil in the cooler.
- The water absorbs heat from the air, which cools the air down to 28 deg C.
- This process is similar to how traditional air-conditioners and refrigerators work to cool air, but without using any refrigerant or coolant.



Second stage of cooling

- The air at 28 deg C then goes through a deeper stage of cooling.
- The air passes through a metallic material that has water flowing through it.
- The water rapidly evaporates to remove heat from the air, cooling the air further to 24 deg C.

