

Desaturation Coil

A desaturation coil is the combination of a chilled water coil and a hot water reheat coil; both contained in one case with one supply and one return connection. The coil uses only chilled water, thereby saving both piping and actual hot water.

The coil operates by passing the air over the first coil that has chilled water running through it. The number of chilled water rows depend on the desired final temperature of the air. As the air passes through the chilled water coil, the water temperature increases while the air temperature decreases that causes the moisture to be removed from the air.

The warmed water then moves to the reheat coil while the treated air is passed over the reheat coil. This reduces the relative humidity of the air by raising the air temperature.

By interconnecting the two coils at the back end, this desaturation coil solution is featuring only one supply and one return connection.

Nortek Air Solutions has been specializing in coils like the desaturation coil for many years. These same coils have been implemented into solutions designed for many applications. Contact us for your complete coil needs.

