

Desiccant air handling unit for clean room

We have newly developed “Desiccant air handling unit for clean room” installing a high-performance desiccant wheel, utilizing the features of the air handling unit (AHU) for clean room which is the Air Condition Equipment Division’s main products.

We have been promoting the development of technologies of air handling unit for air conditioning in the factories such as useless gas removal for fresh air conditioning, off-gas measures, clean technologies, improving reliability and so on.

It became possible to apply the new AHU for the manufacturing factories where the clean dry air is necessary, by adding “dehumidifying function” to it as well as those basic technologies.

Main features

1. It is possible to reduce the equipments using Chlorofluorocarbon gas. (Environment-friendly)
2. It is possible to use various kinds of waste heat. (Saving energy)
3. It is easy to supply the clean dry air of 3°C or less in dew point.
4. The optimum system design for the required function of each factory

Desiccant air handling unit are mainly used in the manufacturing factories in which the clean dry air is necessary such as pharmaceuticals, electronic parts, chemicals and foods.



It is possible to apply it to the people’s livelihood use such as supermarkets, sports facilities with high load of latent heat, and so on.

This Desiccant air handling unit is very effective one for saving energy and en-

vironmental measures because it is possible to use various kinds of waste heat as the reactivation heat source such as the combination with a co-generation and so on.

We try to develop the “environment-

friendly air conditioner”, developing technologies such as higher-efficient equipments, use of low-temperature waste heat and so on.

空調機内の空気の流れ

