

Press Release

Supporting Green Olympics

The 1st Bus in China with Copper Fin-and-tube Air Conditioner is on the Road

To strongly support Beijing's upcoming Green Olympics with concrete actions, the International Copper Association (ICA) has lately launched a test project to analyze the improvement of air quality in buses with copper fin-and-tube air conditioners. This project jointly launched with the Chinese Center for Disease Control and Prevention (CCDCP), the Institute of Refrigeration and Cryogenics of Shanghai Jiao Tong University, and Beijing Xianglong Bus Company. As part of the program, the first bus in China equipped with such air conditioner has come into service in Line 110 in Beijing.

Copper can efficiently limit the growth of Legionella bacteria, colon bacillus, staphylococcus aureus and some other bacteria. Therefore, copper fin-and-tube air conditioner can restrain the spreading of bacteria and improve the quality of air in buses. However, due to the complexity of their operational environment, the quality of air in buses is influenced by various elements, the air conditioner being just one of them. In order to guarantee the efficiency of copper fin-and-tube air conditioners, they will be tested in some sample buses first, and their use will be extended once they are proved ideal to improve the air quality in buses.

Experts from CCDCP will take samples from copper fin-and-tube air conditioners and ordinary air conditioners. After a period of time, they will collect data of the bacteria on the surface, in outlet and inlet openings and in the condensed water of air conditioners. They will then draw a conclusion from data analysis.