

# Future cooling technology MITCO2 heat exchangers

By Heat Exchanger World Publisher - June 26, 2023



Using CO<sub>2</sub> as a refrigerant does not harm the atmospheric ozone layer and prolongs the life of the heat exchanger, preventing further environmental pollution. The method also contributes to the economy by saving energy. CO<sub>2</sub> is safe and nonflammable. It has good thermal stability at high temperatures and, in case of

leakage, there is no harm to human life, food systems, and ecology.

In this context, EKİN Industrial A.Ş. has expanded its offering of alternative solutions for future-oriented cooling technology with its CO<sub>2</sub> heat exchangers. CO<sub>2</sub> oriented MITCO<sub>2</sub> plate evaporators and condensers have a very low carbon footprint compared to traditional HFC solutions. CO<sub>2</sub> is a natural refrigerant, its Global Warming Potential (GWP) is "1", and its Ozone Depletion Potential (ODP) is "0". MITCO<sub>2</sub> offers reliable, energy efficient cooling solutions in a wide range of cooling capacities. It enables CO<sub>2</sub> (R744) applications to be used in more applications. MITCO<sub>2</sub> heat exchangers offer easy installation and maintenance thanks to their compact design and their ability to withstand up to 100 bar operating pressure.