



## Refrigerant Gas R32

True to our ideal „In flow with your production“ we are constantly striving to enlarge our product range and to adapt it to the developing demands of our customers. During the last years the ecological aspect has become more and more important in every field of our lives, not only due to regulations coming from the EU or from the governments, but also due to a rising consciousness in the behaviour of people. This change in the mindset of people affects of course also the wine-beer-beverages sector, where we notice a rising demand for sustainable, energy efficient investments.

As far as cooling and heating units are concerned, we have to face the F-gas regulation that is effective since 2015 and that has the aim to reduce global warming by reducing step by step the amount of greenhouse gas in use, according to a phase down scenario. Every refrigerant gas has its GWP value (GWP = Global Warming Potential), that compares each gas with CO<sub>2</sub> whose GWP by definition has a unit value: GWP 1 = 1 kg of CO<sub>2</sub>. Refrigerants with a GWP above 2500 were banned in January 2020, and for other HFCs, such as R410A (GWP 1924) and R134a (GWP 1300), availability is limited by decreasing production quotas. Due to this phase down we have seen a drastic increase of the refrigerant prices, especially for R410a, these last years.

These developments lead us to bring out two new series of cooling units working with new, 'greener' cooling gases with much lower GWP than R410a: **Quantor PLUS** and **Kreyo PRO**. For these two series, we have decided to work with R32, which is a part of R410a already (50%) and which for many reasons presents the best available alternative refrigerant gas for outdoor units:

- Low GWP: 677
- Pure substance (one-component-refrigerant gas)
- Low cost
- Many suppliers, as R32 is not patented
- R32 is already available on the residential market

Please feel free to contact our sales team if you have questions or need more information. We'll be pleased to consult you.