



FUTURE PROOF COMPONENTS AND SOLUTIONS FOR LOW GWP REFRIGERANTS



Low GWP and flammable characteristics are becoming, for the new refrigerants, more and more popular and almost a “must” in all the market sectors.

This is an evolution after the adoption of the “Kigali Agreement” and the change of the applicable standards in our market as specified in ASHRAE 34-2016

For this market transformation Castel responded by introducing two new key product ranges, suitable to meet all the applications: **POLYHEDRA** and **GO GREEN**.

POLYHEDRA was introduced during MCE 2018 and offers suitable components for all the flammable refrigerants (HC, HFO & R32 – A3 and A2L groups for ASHRAE 34-2016 and PED group 1) and, for example, high pressures and high compressor discharge temperatures.

This was achieved always maintaining the “safety of use” at the highest levels.

Also, **POLYHEDRA** components are future proof. They can stay installed even if the refrigerant changes, Since they are already suitable for both standard and flammable fluids.

GO GREEN range is exclusively dedicated to CO₂ (R744) and offers suitable components able to work at high pressures as commonly required with this refrigerant. The pressure range is from 60 to 140 bar – these pressures are achieved thanks to high performance connections utilising K65 or Stainless Steel. The **GO GREEN** range has recently been updated with new solenoids valves having 120 and 140 bar PS (models 1427E and 1428E – see photo) and a new safety valve (3061E) with set pressures up to 150 bar.

This comprehensive product range is suitable for many applications, such as heat pumps, industrial refrigeration, commercial and industrial air conditioning, refrigerated transportation and supermarket installations.

With these product ranges Castel is now the ideal partner for air conditioning and refrigeration applications, with no limits for the new refrigerants both today and in the incoming years.

Besides, please always remember that for special applications or items not included in the existing general catalogue, Castel is able to design and manufacture a customized solution to meet a specific application.

Castel regularly visits customers both at their manufacturing facilities or in the field. Castel engineers can work closely with the R&D dept. of their clients and in this way it is possible to understand and study in detail the application in order to develop new technologies or new solutions, not yet available on the market.

This essential synergy is beyond the standard supplier-client relationship and is more like a reliable and proactive partnership with a focus on the common growth.

You can download the general catalogue from our web site: www.castel.it – it is continuously being updating.