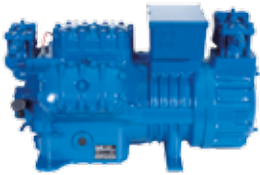


VRange



V-Range chillers are characterized by compact size and light weight, and, therefore, turn out to be particularly suitable for small plants, assuring great reliability and the reduced installation and management costs.



The **V-Range** includes all chillers with **scroll and reciprocating compressors**, whose main feature is the guarantee of reliability and durability, with consequent advantages in terms of cut in management and maintenance costs. In addition to that, the **few vibrations** and the **very low noise levels** ensure that these chillers

are used in industrial but also in civilian applications (**comfort cooling**).

The great innovation introduced by Geoclima, especially as far as scroll compressors with R410A are concerned – but some applications have been studied also for reciprocating compressors with R290 – consists in the possibility of **combining several compressors in a single unit**. Indeed, if this kind of chiller usually has a very reduced capacity (from 3 to 50 kW), the **redundancy** enables the development of machine with higher capacity, even of hundreds kW. In thereby, the V-Range units

are no more restricted to small-size applications but, on the contrary, **can also be used for bigger plants.**

V-Range supports R410A, HFO1234ze and R290 to allow our customers to choose between a high-efficiency solution or a more eco-friendly approach.

The line with **R410A** uses a refrigerant that came into use to replace the R22. This refrigerant has been used for **more than a decade**: such experience ensures not only a deep knowledge of its qualities and wide range of use, but also great **reliability and efficiency**. Moreover, compared with other refrigerants, R410A provides **higher energy efficiency and lower energy consumption**.

On the other hand, the *greener* line uses refrigerants with a very low GWP (Global Warming Potential): **HFO-1234ze** with GWP<1 and **R290** with GWP=3. Although this kind of applications has only recently been developed, Geoclima has gained **valuable experience** – especially through the development of **the first World HFO chiller** – and can offer high efficiency and reliability. This version of **V-Range** chillers is designed to provide a real **combination of performance and eco-sustainability** of the entire application and to ensure **high security and reliability** in the use of HFO1234ze and, mainly, of propane.

VHA

Air cooled



VHA FC

Air cooled with Free Cooling



VHA CM

Modular air cooled with cylindrical condensers



VSA

Condensing unit



Up to 1196 kW



Up to 1163 kW



Up to 211 kW



Up to 1196 kW



Up to 12910 mm



Up to 12910 mm



2413 mm



Up to 12910 mm

VHH

Water cooled



VSE

Condenserless water chiller



RCE

Remote condenser



Up to 676 kW



Up to 611 kW



Up to 1660 kW



Up to 4110 mm



Up to 4110 mm



Up to 10500 mm