



OFFICINE MARIO DORIN SINCE 1918
DORIN[®]
INNOVATION



DORIN's firing on all cylinders, with natural refrigerant, of course!

ECOS line, for a more sustainable future

The growing interest in sustainable solutions, designed to reduce the environmental impact, to preserve our planet and our future, is experiencing, in recent times, an important acceleration, also following the bet, launched by the European Commission, towards the creation of a more **Eco-sustainable** world.

2021 represents the start of the "**Green Deal**" and the worldwide commitment to achieve significant progress in improving climatic conditions, through the launch and promotion of important investments by all primary economic sectors.

DORIN, as a pioneer in the global market, has believed, invested and developed "natural" solutions since the 1990s, and for 2021 has decided to further consolidate its position by improving its line of natural gas compressors, the **ECOS line**, with the strengthening of the cooling capacities and the increase in products range.

In the family of **CO2** compressors, the **CD** family, the **CD600 range**, already winner of the **AHR Innovation Awards 2021**, has in fact been further enhanced with the entry of a new model, the **CD6 901-99B**.



A product that, once again, sets in motion the future and the innovation and revolutionizes industrial refrigeration.

This **6-cylinder compressor**, is able to reach a **displacement of 99 m³/h** and a **cooling capacity of 19 kW**, setting unprecedented standards, which make it the most powerful semi-hermetic subcritical CO2 compressor ever designed.

UL certified, available for the American market, it maintains all the important features of the new **CD600 range**:

1. Doubles the cooling capacity delivered by a single compressor,
2. Reduces manufacturing costs compared to an ammonia-based solution,
3. Reduces the flow temperature,
4. Guarantees longer compressor life and higher C.O.P.,
5. Ensures perfect lubrication,

6. Ensures lower oil-carry over.

In addition to the CD family, **DORIN** is constantly updating its **HEX series**, the range of **propane compressors**, designed for use in potentially explosive areas and therefore equipped with **ATEX certification**.

A wide range of compressors, **from 2 up to 8 cylinders**, covering **displacements from 4.42 to 244.78 m³/h**, with **nominal capacities from 0,5 to 90 hp**.



High C.O.P values, fluidodynamic optimization of the internal flow paths, high efficiency motors, high tech components, special oil differential pressure sensor, special oil sight glass, PTC sensor for discharge temperature control with a very low noise level, are some of the main features of this range.

HEX and CD series, two families of continuously evolving ranges that represent **Dorin's ECOS line**, a line of natural gas compressors with low environmental impact (**GWP even equal to 1 in the case of CO₂**) with the aim of providing a valid alternative in applications (eg industrial) where huge requests for cooling capacities, made it the obligatory choice.

DORIN's "ECOS products", designed and manufactured to give a concrete answer to the need to preserve our planet and take care of our future.

DORIN means more than compressors, We build for the next generations!



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