

editorial

Cubigel Compressors at a glance

Dear Customer,

As you know from our earlier official notification, we became Cubigel Compressors on January 28th, 2009. The ACC Group decided to sell its Commercial Refrigeration Division, ACC Spain, to AIAC, American Industrial Acquisitions Corporation, which is an American privately-held industrial group.

With this spin-off a new company and brand has born: Cubigel Compressors, with the aim of being one of the leaders worldwide of compressors manufacturers for commercial refrigeration. Our strategy remains the same - to be close to all our customers, to have a wide range of products that meet your requests, and to design and manufacture always the most suitable solution to fulfil market requirements.



Pedro Olalla - Sales Director

With our new shareholder we will consolidate all the actions we began in 2008, the move of Cervera plant to Sant Quirze (Barcelona) in order to manufacture all the ranges in one factory, the investments in new lines to increase competitiveness, and our new warehouse. We are convinced that Cubigel Compressors will be the right partner for you, our customer.

mknews

Cubigel Compressors launches a new campaign

ACC Commercial Cold Business is now **Cubigel Compressors**.

This statement advises our customers that a new company has been born and that all ACC light commercial refrigeration compressors will now be Cubigel Compressors branded.

Creating this new company gives us an excellent opportunity to thoroughly renew the brand, which is supported by 40 years of experience in the Commercial Cold Business sector. The Cubigel Compressors team's knowledge is the foundation for our product developments and our adaptations to new market requirements.

As a result, our campaign's claim "We know about cold" perfectly sums up our strength as the ideal partner for you, our client, since we can give advice and support about the most appropriate and efficient compressor or condensing unit for their applications.



We have great expectations for this campaign, and believe it will help to give a positive image to our new brand.


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New Warehouse

During 2008 we developed improvements to our logistics and external services, leading to the internalisation of various activities such as:

- Accessories warehousing service, work in progress product, and finished product
- Separated accessories packing for clients and for production
- Single box compressor packaging
- Condensing units production
- Connection box assembly
- Accessories' bag mounting



To achieve these objectives, a new 2,500 m² warehouse has been established alongside our Sant Quirze factory where all these activities take place. This new warehouse started its activity in April 2008 and is intended to improve our service level by providing a better control of stocks, finished product and raw material, to enhance quality control and to reduce the lead time for compressor and condensing unit assembly.

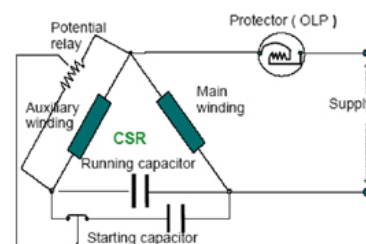
New RB CSR models Vs. actual TB CSR models: Current Relay and NTC Cubigel Patent

Responding to commercial refrigeration market trends, Cubigel Compressor has developed an innovative solution for CSR electrical versions covering our small and medium compressor ranges (L and P). This solution is based on the use of a standard intensity relay with NTC resistance, which allows the conventional potential relays, normally fitted in an external remote electrical box, to be replaced (see Fig. 1).

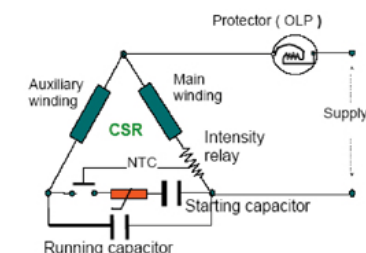
The main purpose of assembling the NTC resistance into a standard current relay is to reduce voltage peaks within relay contacts. When not connected, its resistance value falls.

The use of Cubigel Compressors' new system eliminates the need for an external remote electrical box. This provides great benefits in terms of space requirements and product competitiveness.

This innovative CSR electrical configuration is already incorporated into the most efficient Cubigel Compressor models, which have an optional running capacitor giving market-leading efficiency values for these compressor types. This new design has now been extended to other standard efficiency CSR models and some present TB models are now RB (fitted with an intensity relay + NTC). At present, MP12RB and MP14RB models are available. [more info](#)



Conventional CSR version
with Potential Relay



New Cubigel CSR version
with Intensity Relay + NTC

tips

Recommendations on compressors working conditions

Compressor reliability largely depends on how it is operating. The external conditions that may affect reliability are:

- Working pressures
- Applied voltage
- Compressor ventilation
- Cycle characteristics, including cycle duration, duty ratio, slugging (as used in hot gas defrost and ice-cube makers), etc.

When checking your appliance, ensure that the parameters related to compressor safety are within acceptable limits. In general terms, these parameters are:

- Motor windings temperature
- Discharge temperature

The Cubigel Compressors web page gives guidelines on the recommended limits for the factors that affect reliability. These include recommendations for "state of the art" designed appliances. These two concepts (reliability limits and optimum performance limits) are sometimes interlinked, but the variables involved may vary between them.

In addition to the variables that directly affect compressor operation, there are other highly important indirect ones of high importance:

- Residual moisture
- Quality, type and size of the filter dryer (which can release abrasive powder)

Compressor reliability is not just affected by system design, it also depends on system building conditions and component (vacuum integrity before refrigerant filling, component cleanliness), operating conditions (ventilation, real applied voltage, thermal overloading of the system) and, crucially, on system maintenance (i.e. periodically cleaning of heat exchangers). [more info](#)