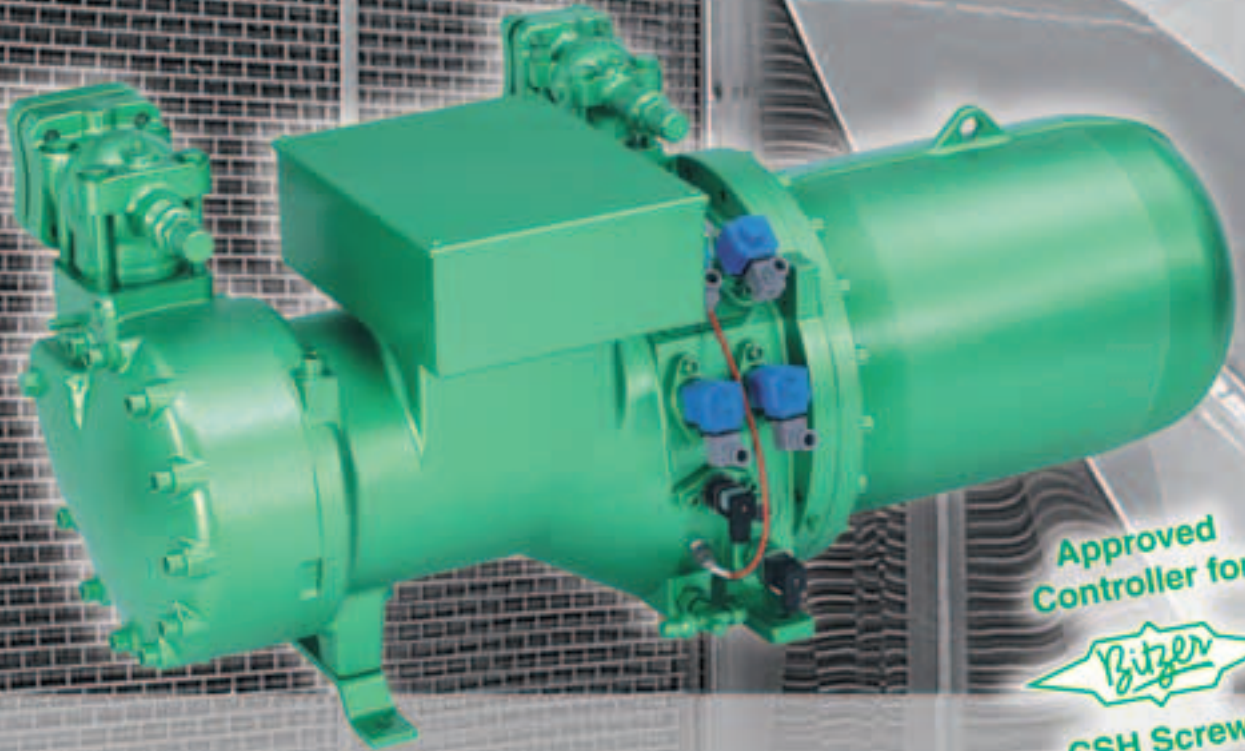


CAREL



Approved
Controller for
Bitzer
CSH Screws

Integrated solutions for Bitzer
screw compressors

T e c h n o l o g y & E v o l u t i o n

Integrated solutions for Bitzer screw compressors



As a result of our partnership with Bitzer, CAREL presents the new driver for screw compressors designed for the pCO platform.

An EasyTools macroblock has been developed to customised software applications for OEMs who want to differentiate their offering, or alternatively to be directly embedded into standard chiller application software.

Both solutions, the Macroblock or the complete software application, can be downloaded from the CAREL site.

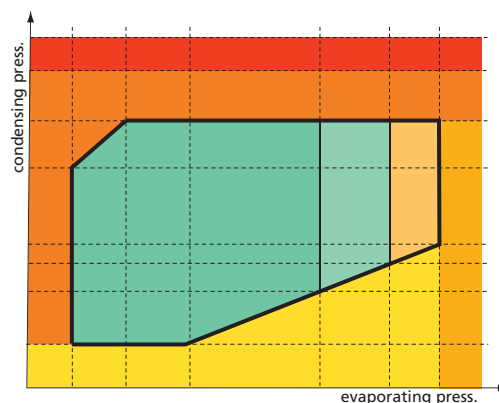
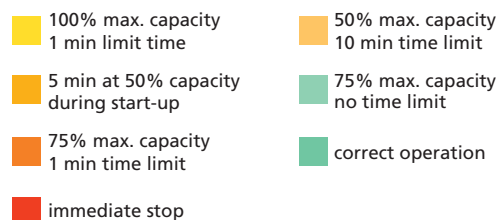
The revolutionary driver manages the operating limits of the compressor for each type of refrigerant, according to Bitzer specifications, allowing operation with maximum performance without compromising the compressor.

The best way to protect Bitzer screw compressors

Sample of envelope protection

Based on the value of suction and discharge pressures, the compressor is unloaded for safety, according to the specific refrigerant.

For more information please refer to Bitzer documentation.



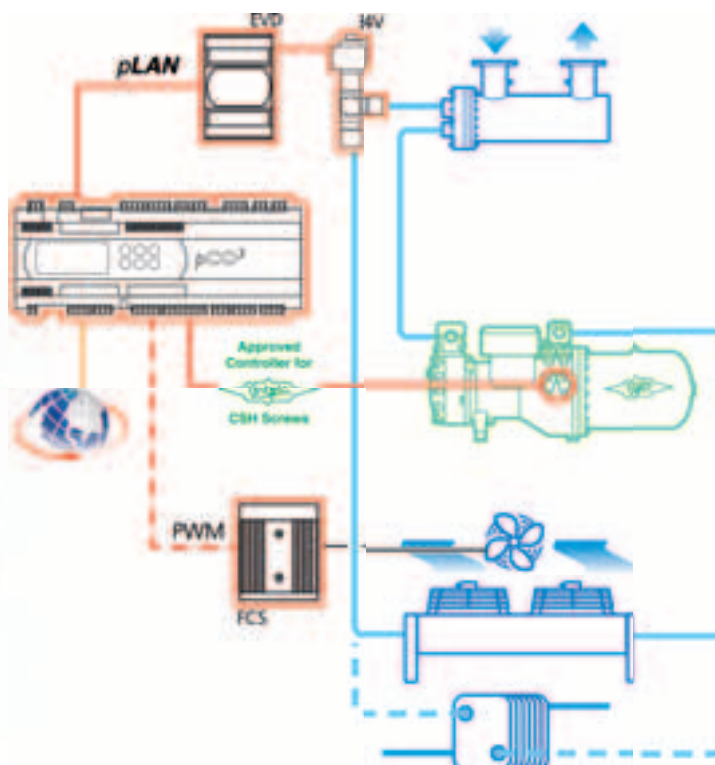
Software Driver

for EasyTools

Suitable for your custom software application or embedded into CAREL standard screw chiller software.

Specific features

- part-winding start;
- 4 capacity control steps, 25, 50, 75 and 100% and step-less capacity control;
- start unloading (starts at 25%);
- economizer / liquid injection solenoid valve control;
- application limit protection with R134a, R407C and R22;
- start up with high evaporating temperature;
- oil level alarm;
- timing protection (even after a blackout).



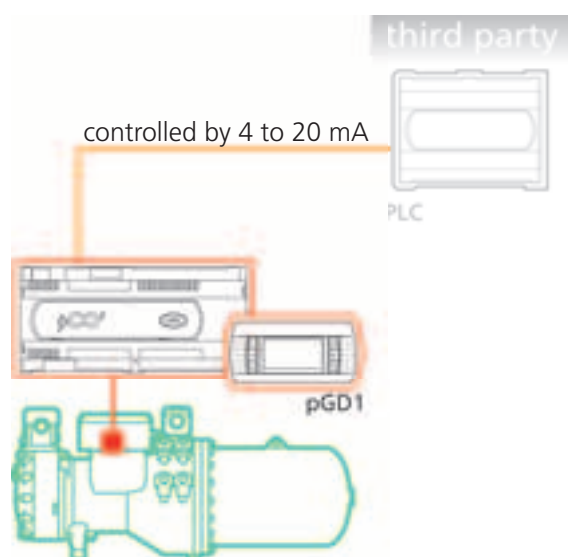
Hardware Driver based on pCO¹ small

for third party PLC

In addition to the software driver, CAREL provides a pCO platform controller equipped with Bitzer driver, capable of managing the contactors, the thermal and mechanical protectors, the cooling capacity and actively protect the compressor against suction and discharge pressure values that may affect its working life.

Specific features

- embedded Software Driver for:
 - capacity control;
 - part-winding;
 - maximum safety;
- plus protection provided by:
 - low pressure switch;
 - high pressure switch;
 - high pressure transducer;
 - low pressure transducer;
 - high discharge temperature;
- 4 to 20 mA signal for capacity control.



Integrates protection driver for Bitzer screw compressor

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