



### Unit Description

**Water cooled chillers with screw compressors from 87 kW to 2,423kW**

The FOCS-W / FOCS-W-CA range is designed to promptly and effectively meet the most pressing comfort, energy efficiency, noise emission and space saving requirements typical of modern applications.



### Unit Features

- **FLEXIBILITY**  
The FOCS-W and FOCS-W-CA are suitable for different applications: dry cooler, cooling tower or ground source systems as well (where the heat system is with underground or superficial water, or geothermal fluid).
- **FREE HEAT RECOVERY**  
All units can be provided with partial or total recovery. These solutions allow hot water up to 55degC (52degC for FOCS-W-CA) to be produced thanks to the condensation heat recovery.
- **ADVANCED CONTROL**  
The FOCS\_W / FOCS-W-CA units owe their advanced operating models mainly to their electronic controllers. Each unit is actually fitted with a W3000 large controller, while the inclusion of the Manager 3000 device means a number of units can be managed in parallel, with an advanced level of control. Like all ICS units from their Climaveneta brand the FOCS-W / FOCS-W-CA can be integrated with a FWS 3000 supervision system.
- **VERSATILITY AND THE COMPLETE RANGE**  
Versatility and the complete range are other strengths of FOCS-W and FOCS-W-CA. These products are designed to meet efficiency, noise level and space level and space saving requirements consistently above expectations- even in the most challenging projects -thanks to:
  - Extensive range of outputs from 87 to 2,432kW of cooling capacity.
  - Optimised design for each series FOCS-W and FOCS-W-CA
  - 4 functions, standard, partial heat recovery, total heat recovery and heat pump (reversible on hydraulic side).
  - 3 optional acoustic enclosure: only on the compressors (for the smaller sizes, 402-1902) or integral, on the unit as a whole, "base" or "plus" with different noise attenuation levels.
  - Pressostatic valve option for condensation control.
- **SILENT OPERATION**  
The noise level is a critical factor for the water condensed units, which are usually installed indoor. Silent operation has been developed to meet the most stringent noise-emission demands. With the exclusive optional integral acoustic enclosure the noise attenuation is of 12dB(A) ('base' type) and of 16dB(A) ('plus' type).

### Unit Benefits

- **ENERGY EFFICIENCY**  
FOCS-series unit, especially those from the FOCS-W-CA series, feature excellent energy efficiency values at full load and part load.  
This result is achieved thanks to a concentrated focus on the quality of the components adopted and on their optimal integration, which steered all the technological decisions at the engineering stage. The intelligent control of resources and the sizing of heat exchanger surfaces are among the features of these units, which optimises the heat exchange performance.
- **RELIABILITY**  
The adoption of high quality components and the ICS approach to total quality management, make the FOCS-W and FOCS-W-CA series extremely reliable.

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at ICS Industrial Cooling and we reserve the right to change the design and specifications without notice or obligation.  
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