

COORDINATION OF CHILLER OPERATION WITH COOLING/COOLING-HEATING SYSTEMS AND PROVISION OF COLD WATER RESERVE FOR WATER SUPPLY



TECHNICAL DESCRIPTION

Chilled water tanks are designed to: provide hydraulic separation between primary and secondary cooling system circuits, ensuring proper operation of the chiller or heat pump; increase the cooling system's volume, reducing compressor cycling (on/off) to extend the service life of the chiller; store chilled water to meet peak load demands. These functions are also applicable in reversible systems (cooling-heating). Thanks to carefully selected materials, the tanks can be used for storing cold sanitary water. In the **CWT PC** series, corrosion protection is provided by one or more magnesium anodes.



MATERIALS

- CWT PC - Tank constructed from S235JR (DIN 1.0038) carbon structural steel with an internal polycaramic coating.
- CWT SS - Tank constructed from AISI 316L (DIN 1.4404) stainless steel, meeting the highest hygienic requirements.



WARRANTY

5 years

THERMAL INSULATION

- RS - Anti-condensation insulation, 12 or 24 mm thick, made of synthetic foamed rubber with a metallized external coating; suitable for tanks operating solely in cooling systems.
- RS/ABS - Anti-condensation insulation, 12 or 24 mm thick, made of synthetic foamed rubber with a metallized external coating, encased in ABS plastic with snap-lock fasteners; suitable for tanks operating solely in cooling systems.
- RS+PL/ABS - Anti-condensation insulation, 12 or 24 mm thick, made of synthetic foamed rubber with a metallized external coating, combined with an additional 50 mm polyester layer, encased in ABS plastic with snap-lock fasteners; suitable for tanks operating in reversible cooling-heating systems.

CUSTOM DRAW

Water heaters can be designed and manufactured according to customer requirements, allowing for modifications in dimensions and connection configurations.

Tank	
P	T
3-10 bar	-10 +95 °C

Volumes, l	
CWT PC	100-10000
CWT SS	100-10000