Purifying the most difficult water

Producing Ultra Pure Water for sustainable energy production and reducing resource waste

CWT – 100

Plug-in ultrapure water piloting solution for you to test any type of feed water or wastewater powered by waste heat from your green hydrogen electrolyzers

Contact Us

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Pure water, cost-effective hydrogen production

CWT´s technology drives the Global Energy Transition and a Net-Zero Future by providing ultrapure water for Green Hydrogen production.

The CWT proprietary technology generates ultrapure water (UPW) even from the most difficult water feed with minimal steps.

Modes of Operation

Batch

Specific volume of feedwater added in tank and allowed to concentrate until the system limits or required concentration levels are reached

Continuous

Feed water added in circulating hot water loop at a flowrate *equal to or based on the requirement of the concentration*, the sum of the UPW production rate and rate of outflow of reject water.

Major features:

- CWT Propriety technology thermal pervaporation modules
- Heating and Cooling Heat Exchangers – Brazed Plate Type
- Centrifugal Pumps
- Feed Tank
- Automated flow monitoring valves and associated piping and fixtures.
- Intelligent and sophisticated control system with display using HMI
- Portable and easy to move with skid

Operational Conditions

		Value
Waste feed water flow* *For continuous operation mode	L/h	75 – 300
Waste feed water temperature	°C	Depends on customer
Hot water loop flow	L/h	5400 – 9000
Hot water loop temperature	°C	60 – 98
Hot water loop return temperature	°C	45 – 71
Cooling water loop flow	L/h	5400 – 9000
Cooling water loop temperature	°C	20 – 30
Cooling water loop return temperature	°C	24 – 40
Ultrapure water flow	L/h	60 – 120
Total Suspended Solids	ppb	<1
Dimensions (L x B x H)* *modules rack containing 6 modules	mm	1350 x 1170 x 1270
Storage transport Temperature	°C	5 – 25