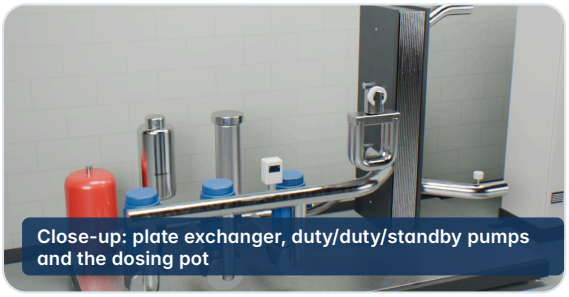
PRODUCT DATASHEET

Closed-Loop Cooling Water Skid

Closed-loop cooling water skid with pumps, plate exchanger, dosing and filtration

Product page





Close-up: plate exchanger, duty/duty/standby pumps and the dosing pot

OVERVIEW

The Tech Inc. Closed-Loop Cooling Water Skid supplies treated cooling water in a closed circuit to compressors, engines, furnaces, transformers, hydraulic units and process coolers. Duty/duty/standby pumps circulate the water; a plate exchanger rejects the heat to raw cooling water, tower water or seawater; and an expansion vessel, dosing pot and side-stream filter keep the closed loop clean and protected.

TYPICAL DESIGN DATA

Duty	Heat load, supply temperature and flow to your users
Pumps	Duty/duty/standby or duty/standby
Exchanger	Gasketed plate; plate material chosen for the cooling medium
Codes and standards	PED 2014/68/EU or ASME Section VIII for pressure parts as required; CE marking
Water treatment	Dosing pot and side-stream filter; conductivity monitored
Control	PLC with HMI; pump changeover, temperature control and alarms
Construction	Painted steel base frame; stainless or carbon steel pipework

MODELS AND CAPACITIES

- **TI-CLC-R** – skid with exchanger on raw or tower water
- **TI-CLC-A** – skid with air-cooled dry cooler
- **TI-CLC-S** – skid with seawater exchanger

Skids are built to your heat load, users and cooling medium.

ORDERING CODE

Example **TI-CLC-R-3**: **R** cooling medium: R raw or tower water, S seawater, A air-cooled; **3** number of pumps.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** titanium plates for seawater; dry cooler; variable-speed pumps; automatic dosing; installation, commissioning and operator training.

KEY ADVANTAGES

- **Clean users** – treated water in a closed loop
- **Redundant pumps** – duty/duty/standby option
- **One exchanger to clean** – dirt kept on the raw water side
- **Water treatment built in** – dosing pot and side-stream filter

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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