PRODUCT DATASHEET

Chemical Cleaning, Pickling and Passivation Skid

Heated acid-resistant circulation skids for pre-commissioning

Product page





Close-up: heated tank and circulation pump

OVERVIEW

The Tech Inc. Chemical Cleaning, Pickling and Passivation Skid circulates heated cleaning chemicals through piping, vessels and heat exchangers to degrease, pickle, neutralise and passivate them before start-up, or to descale them at a turnaround. Tanks, pumps and piping are built in alloy or lined materials that resist the acids.

TYPICAL DESIGN DATA

Wetted materials	Duplex, super duplex, C-276 or lined steel, chosen for the chemicals
Chemicals	Alkaline degreasers, inhibited acids, citric acid, neutralisers and passivating solutions
Temperature	Up to about 80 °C
Monitoring	PH, conductivity, temperature and iron sampling
Standards	Cleaning sequences to the client procedure, for example ASTM A380 and A967 for stainless
Frame	Lifting frame with bund and drip tray

MODELS AND CAPACITIES

- **TI-CCS-1** – about 1 m³ tank, about 30 m³/h
- **TI-CCS-3** – about 3 m³ tank, about 60 m³/h
- **TI-CCS-6** – about 6 m³ tank, about 120 m³/h
- **TI-CCS-10** – about 10 m³ tank, about 200 m³/h, twin-tank

Indicative tank volumes and circulation rates.

ORDERING CODE

Example **TI-CCS-3-SD-T**: **3** tank volume, m³; **SD** wetted material: D duplex, SD super duplex, C2 C-276, L lined; **T** options: T twin tank, R reversible flow, Z hazardous-area build.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: twin-tank version; reversible flow for exchangers; hazardous-area build; neutralisation tank; containerised version.

KEY ADVANTAGES

- **Acid-resistant** – alloy or lined wetted parts
- **Measured** – pH, conductivity and iron tracked
- **Heated** – faster and more effective cleaning
- **Contractor-ready** – bunded lifting frame

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

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