PRODUCT DATASHEET

Special-Alloy Process Vessel

Process and storage vessels in C-276, Alloy 20, 6Mo and duplex, to 10 m³

Product page





Close-up: top head, manway and nozzles

OVERVIEW

The Tech Inc. Special-Alloy Process Vessel holds and processes corrosive liquids in nickel alloys, 6Mo and duplex steels, from small reaction pots to storage vessels of about 10 m³. We build them as standalone vessels or inside our skids, with jackets, agitators and nozzles to your layout.

TYPICAL DESIGN DATA

Materials	C-276, C-22, Alloy 20, 6Mo (UNS S31254), 904L, duplex 2205, super duplex 2507
Design code	ASME VIII Div. 1; PED on request
Design pressure	Full vacuum to about 10 barg, higher on request
Design temperature	About -20 to 200 °C
Finish	Pickled and passivated; mechanical or electropolish on request
Inspection	PMI, radiography, hydrotest, ferrite checks on duplex

MODELS AND CAPACITIES

- **TI-SAV-250** – about 250 L
- **TI-SAV-2000** – about 2,000 L
- **TI-SAV-10000** – about 10,000 L
- **TI-SAV-1000** – about 1,000 L
- **TI-SAV-5000** – about 5,000 L

Nominal working volumes; diameters and heights are adjusted to the site layout.

ORDERING CODE

Example **TI-SAV-2000-276-J-6**: **2000** working volume, litres; **276** material: 276 C-276, 22 C-22, A20 Alloy 20, 6MO 6Mo, D 2205, SD 2507; **J** options: J jacket, A agitator, C clad, P PED; **6** design pressure, barg (FV for full vacuum).

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** heating or cooling jacket; agitator with wetted parts in the vessel alloy; insulation and cladding; electropolished interior; mounting inside a skid with pumps and instruments.

KEY ADVANTAGES

- **Right alloy for the duty** – chosen against the chemistry and temperature
- **Fits inside skids** – designed with our injection and process skids
- **Clean finish** – pickled, passivated or electropolished
- **Full dossier** – material certificates, PMI and test records

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

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