PRODUCT DATASHEET

Closed Sampling Panel for HF, Chlorine, HCl and Chlorosilanes

Operator-safe closed sampling for the most hazardous liquids

Product page





Close-up: sampling panel valves

OVERVIEW

The Tech Inc. Closed Sampling Panel for HF, Chlorine, HCl and Chlorosilanes takes samples of hydrofluoric acid, chlorine, hydrogen chloride and chlorosilanes without exposing the operator. The sample flows through a closed loop into a sealed cylinder or bottle, the lines are purged with nitrogen, and the vent goes to a scrubber.

TYPICAL DESIGN DATA

Wetted materials	Monel 400 for HF; C-276 or PFA-lined for chlorine, HCl and chlorosilanes
Pressure	To about 40 barg
Purge	Nitrogen purge before and after sampling
Codes and standards	Pressure parts to ASME B31.3; enclosure extraction to the plant safety standard
Vent	To the plant scrubber
Operation	Step-by-step valve sequence on the panel plate
Enclosure	Stainless or FRP with extraction connection

MODELS AND CAPACITIES

- **TI-CSX-C** – sample cylinder, 75 to 500 mL
- **TI-CSX-G** – gas sample cylinder
- **TI-CSX-B** – sample bottle, 100 to 1,000 mL
- **TI-CSX-E** – any of the above in a ventilated enclosure

Configurations by sample container.

ORDERING CODE

Example **TI-CSX-C-M4-E**: **C** container: C cylinder, B bottle, G gas cylinder; **M4** wetted material: M4 Monel 400, C2 C-276, PF PFA-lined; **E** E enclosed, O open panel.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: ventilated enclosure; vacuum connection; heated sample line; spare cylinders; operator training.

KEY ADVANTAGES

- **Operator-safe** – no open handling
- **Right materials** – Monel, C-276 or PFA for each fluid
- **Representative** – flushed loop before each sample
- **Simple** – clear valve sequence on the panel

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

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