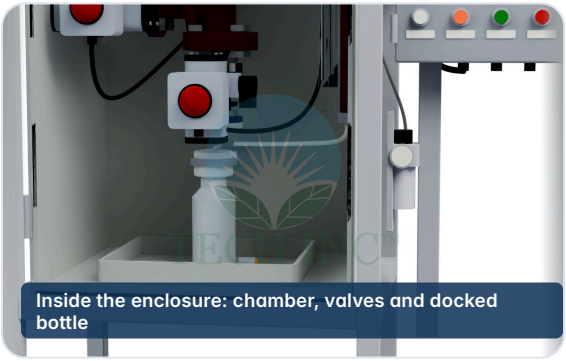
PRODUCT DATASHEET

PFA-Lined Closed Fixed-Volume Sampling Station

Closed sampling of corrosive liquids into a PFA bottle, with a fully fluoropolymer wetted path

Product page





Inside the enclosure: chamber, valves and docked bottle

OVERVIEW

The Tech Inc. PFA-Lined Closed Fixed-Volume Sampling Station takes a measured sample of a corrosive process liquid into a closed PFA bottle without exposing the operator or the plant to the liquid.

TYPICAL DESIGN DATA

Line connection	25 NB, Class 150 raised-face flanges
Sample chamber	PFA-lined spool of 250 mL nominal volume; volume measured and certified for each station
Valves	PFA-lined ball valves, 25 NB on the process side and 15 NB on the transfer and vent side
Sample bottle	500 mL PFA bottle with GL45 thread, on a PTFE docking head with two ports
Wetted materials	PFA and PTFE throughout
Enclosure	Polypropylene cabinet with hinged door and drip tray with drain, on a stainless steel 304 stand
Automatic version	PLC and 4.3 in HMI in a stainless steel 316 IP65 panel; bottle-docked sensor and door switch; signals to the plant control system

MODELS AND CAPACITIES

- **TI-FVS-25-250-M** – manual station with lockable lever handles, colour coding and an engraved sequence plate
- **TI-FVS-25-250-A** – automatic station with PLC, 4.3 in HMI, position feedback and interlocks
- **TI-FVS-25-250-P** – pneumatic station with spring-return actuators and a four-position step selector; no electrics

All three versions share the same lined wetted parts, enclosure and stand.

ORDERING CODE

Example **TI-FVS-25-250-A**: **25** line size, NB; **250** chamber volume, mL; **A** M manual, P pneumatic or A automatic.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** version for classified areas; other chamber volumes; spare bottles, docking head and valve seal kits.

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

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