PRODUCT DATASHEET

Portable Closed Sampler with Air-Driven Pump

Closed sampling from tanks, drums and dip pipes with an air-driven pump

Product page





Close-up: air-driven pump and bottle holder

OVERVIEW

The Tech Inc. Portable Closed Sampler with Air-Driven Pump takes closed liquid samples where there is no flowing line: storage tanks, road and rail tankers, drums and IBCs. An air-driven diaphragm pump draws liquid through a dip pipe or a tank sample connection, flushes the line back to the tank, and then fills a sealed bottle through a needle connection.

TYPICAL DESIGN DATA

Pump	Air-driven diaphragm, no electrics
Bottle	About 100 mL to 1 L with septum cap
Wetted materials	316L and PTFE
Codes and standards	Earthing to IEC 60079-32-1 guidance; sampling practice to ISO 3170 where it applies
Air supply	About 3 to 6 bar instrument or plant air
Vent	Back to the tank or through a carbon canister
Area use	No electrical parts; earthing clamp provided

MODELS AND CAPACITIES

- **TI-PCS-H** – handheld, dip depth to about 1.2 m
- **TI-PCS-T** – trolley, dip depth to about 3 m
- **TI-PCS-DP** – fixed dip-pipe kit
- **TI-PCS-HT** – heated trolley unit

Indicative pump capacity and dip depth.

ORDERING CODE

Example **TI-PCS-T-6**: **T** type: H handheld, T trolley, DP dip-pipe kit, HT heated; **6** material: 6 316L, P PTFE-lined.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: trolley with hose reel; heated version; fixed dip-pipe kits for each tank; spare bottles and canisters.

KEY ADVANTAGES

- **Closed** – no dipping by hand
- **Representative** – line flushed before each sample
- **No electrics** – air-driven pump
- **Portable** – one unit for many tanks

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