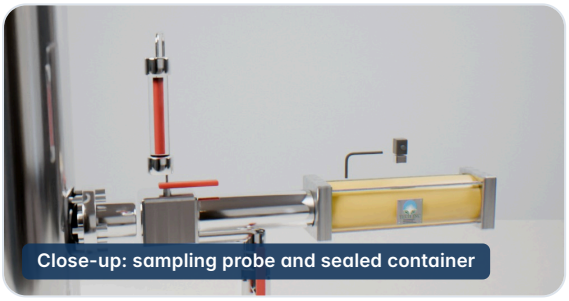
PRODUCT DATASHEET

Solids, Powder and Catalyst Sampler

Closed samplers for powders, granules, pellets and catalyst

Product page





Close-up: sampling probe and sealed container

OVERVIEW

The Tech Inc. Solids, Powder and Catalyst Sampler takes representative samples of free-flowing solids without opening the line: polymer pellets and powders, fertiliser granules and catalyst. A sampling probe with a rotating or sliding cup cuts a sample from the moving stream in a chute or pneumatic line and drops it into a sealed container; for catalyst, a nitrogen-purged sampler takes it from a reactor or hopper without letting air in.

TYPICAL DESIGN DATA

Sample per cut	About 50 to 250 mL
Temperature	To about 200 °C
Pressure	Atmospheric to about 6 barg for line samplers
Codes and standards	Pressure parts to ASME B31.3 practice; ATEX/IEC 60079 equipment where dust zones apply
Wetted materials	304 or 316 stainless, polished for food and polymer
Purge	Nitrogen for air-sensitive or pyrophoric solids
Actuation	Manual or pneumatic

MODELS AND CAPACITIES

- **TI-SPS-C** – chute sampler, about 50 to 250 mL per cut
- **TI-SPS-L** – pneumatic-line sampler
- **TI-SPS-N2** – nitrogen-purged catalyst sampler
- **TI-SPS-T** – timer composite sampler

Indicative cup volumes.

ORDERING CODE

Example **TI-SPS-L-P-6**: **L** type: C chute, L line, N_2 catalyst, T timer composite; **P** actuation: M manual, P pneumatic; **6** material: 4 304, 6 316.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** timer composite control; nitrogen purge panel; polished food-grade finish; spare containers.

KEY ADVANTAGES

- **Representative** – cuts across the moving stream
- **Inert** – nitrogen purge for catalyst
- **Closed** – line stays sealed
- **Automatic** – timer composite samples

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

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