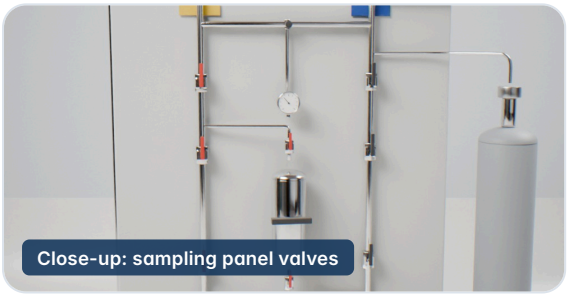
PRODUCT DATASHEET

Ammonia Sampling System

Closed sampling of liquid and gaseous ammonia into cylinders

Product page





Close-up: sampling panel valves

OVERVIEW

The Tech Inc. Ammonia Sampling System takes representative samples of liquid or gaseous ammonia into sealed cylinders for quality analysis, without releasing ammonia at the sampling point. The loop is flushed before sampling, the cylinder is filled and isolated, and the lines are purged with nitrogen to a safe vent or scrubber.

TYPICAL DESIGN DATA

Materials	316 stainless steel; no copper or brass
Pressure	To about 25 barg
Purge	Nitrogen, to vent, flare or scrubber
Codes and standards	Pressure parts to ASME B31.3; sampling to the plant procedure
Sample cylinders	Stainless, with outage tube for liquids
Operation	Step-by-step valve sequence on the panel plate
Hazardous area	Components to the site classification

MODELS AND CAPACITIES

- **TI-NHS-L** – liquid ammonia, cylinders 150 to 500 mL
- **TI-NHS-A** – sample conditioning to an online analyser
- **TI-NHS-G** – gaseous ammonia
- **TI-NHS-E** – enclosed version

Configurations by sample phase.

ORDERING CODE

Example **TI-NHS-L-E**: **L** phase: L liquid, G gas, A analyser conditioning; **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: enclosure with extraction; heated vaporiser; analyser conditioning; spare cylinders; operator training.

KEY ADVANTAGES

- **Operator-safe** – closed loop and nitrogen purge
- **Representative** – flushed loop before each sample
- **Right materials** – stainless, no copper alloys
- **Simple** – clear valve sequence

How to cite: Ammonia Sampling System (model TI-NHS; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/ammonia-sampling-system

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**
Offices: Chennai · Toronto · Tallinn · Al Khobar
mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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