PRODUCT DATASHEET

Sample Cylinder Cleaning Station

Evacuate, flush, purge and dry sample cylinders in the laboratory

Product page





Close-up: cylinder manifold and vacuum gauge

OVERVIEW

The Tech Inc. Sample Cylinder Cleaning Station prepares used gas and liquefied-gas sample cylinders for the next sample. Each cylinder is connected to a manifold, vented and evacuated, flushed with solvent or purged with heated nitrogen, and vacuum-dried until the vacuum gauge shows it is clean and dry.

TYPICAL DESIGN DATA

Cylinder sizes	About 150 mL to 3.8 L
Vacuum	To about 0.1 mbar with an oil-free pump
Purge	Nitrogen, heated to about 120 °C
Codes and standards	Pressure parts to ASME B31.3 practice; electrical equipment to the area classification of the laboratory
Heating	Jackets or oven to about 120 °C
Materials	316 stainless manifold, PTFE seals
Control	Manual valves, or PLC with cycle record

MODELS AND CAPACITIES

- **TI-SCC-4** – four cylinders
- **TI-SCC-8** – eight cylinders
- **TI-SCC-12** – twelve cylinders
- **TI-SCC-A** – automatic sequence

Indicative number of cylinders cleaned at once.

ORDERING CODE

Example **TI-SCC-8-A-H**: **8** number of cylinders; **A** control: M manual, A automatic; **H** options: H heating, S solvent flush, N none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** PLC with cycle records; solvent flush and recovery; cylinder oven; adapters for floating-piston cylinders; spare quick-connects.

KEY ADVANTAGES

- **Clean** – vacuum and heated purge remove residues
- **Productive** – up to twelve cylinders at once
- **Repeatable** – same cycle every time, recorded
- **Safe** – vent to flare or extraction

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

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