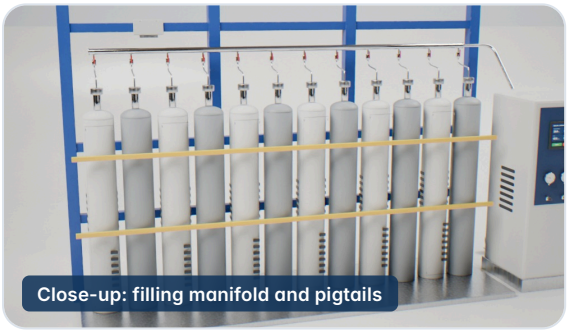
PRODUCT DATASHEET

Helium and Specialty Gas Transfill Manifold

200 and 300 bar cylinder filling manifolds with purge and vacuum

Product page





Close-up: filling manifold and pigtails

OVERVIEW

The Tech Inc. Helium and Specialty Gas Transfill Manifold fills gas cylinders from bulk sources or tube trailers at 200 or 300 bar. Each cylinder is vented, evacuated and purged before filling, so gas purity is kept, and the fill pressure and temperature are recorded for every batch.

TYPICAL DESIGN DATA

Fill pressure	200 or 300 bar
Gases	Helium, nitrogen, argon, hydrogen and specialty gases
Materials	316 stainless, cleaned for gas service; oxygen-clean on request
Codes and standards	Pressure parts to ASME B31.3; gas-cylinder filling practice to the local regulations
Purity	Vacuum and purge cycles before filling
Control	Fill controller with temperature compensation and records
Safety	Relief valves, hose restraints, barricade on request

MODELS AND CAPACITIES

- **TI-TFM-6** – 6 filling points, 200 or 300 bar
- **TI-TFM-12** – 12 points
- **TI-TFM-24** – 24 points, twin bank
- **TI-TFM-B** – any size with gas booster

Number of filling points and pressure.

ORDERING CODE

Example **TI-TFM-12-300-T-B**: **12** number of filling points; **300** fill pressure, bar; **T** S single bank, T twin bank; **B** options: B booster, V vacuum pump, O oxygen-clean.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: gas booster; oxygen-clean build; twin bank for continuous filling; purity analyser; barricade.

KEY ADVANTAGES

- **Purity kept** – vacuum and purge before every fill
- **Recorded** – fill data for each batch
- **High pressure** – 200 and 300 bar
- **Productive** – twin banks for continuous filling

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