INOX AIR PRODUCTS

PRECISION BEGINS WITH PURE METHANE.

ULTRA-HIGH-PURITY METHANE FOR ADVANCED MANUFACTURING.



CRYOPURE
METHANE

RELIABLE METHANE SUPPLY FOR CRITICAL APPLICATIONS.

CryoPure Methane supports advanced manufacturing and precision-driven processes. From semiconductor fabrication to lab-grown diamonds, maintaining gas purity and consistent flow is essential to process quality and performance.



Lab-Grown Diamonds

Methane acts as the primary carbon source in Chemical Vapour Deposition (CVD), supporting controlled diamond growth, crystal quality and uniformity.



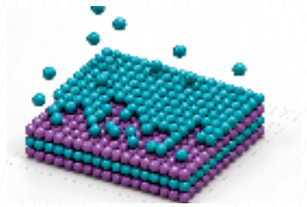
Semiconductor Wafer Fabs

High-purity methane is used in critical plasma etching and chemical vapour deposition processes, where impurities & fluctuations in gas pressure or flow can affect wafer yields.



Electronics and Display Manufacturing

Methane serves as a carbon source in thin-film coating operations and semiconductor layer preparation.



Advanced Materials - CVD, ALD & MOCVD

Methane serves as a carbon precursor in precision material deposition processes that require controlled gas composition and consistent supply.



Solar and Photovoltaics

Methane provides carbon for the production of selected carbon-containing layers in thin-film solar cells.



Calibration & R&D Labor atories

Ultra-highpurity methane supports reference gas requirements in analytical testing, research and precision measurements.

THE CRYOGENIC ADVANTAGE FOR CRYOPURE METHANE.

DESIGNED FOR PURITY PRESERVATION, CONSISTENT SUPPLY AND OPERATIONAL EFFICIENCY.

INOX Air Products offers CryoPure Methane in conventional gas cylinders and portable cryogenic liquid cylinders. The portable cryogenic format stores methane as an ultra-high-purity liquid in a vacuum-insulated vessel, with controlled, on-demand vaporisation to deliver a stable gas feed for critical applications.



LOWER HANDLING REQUIREMENTS

Higher storage density can reduce vessel replacement frequency, handling and transportation requirements.



PURITY PROTECTION

Cryogenic storage supports purity preservation for demanding applications.



CONSISTENT GAS SUPPLY

Controlled vaporisation supports a stable gas feed and helps minimise supply interruptions.



SPACE OPTIMISATION

A compact storage format can help free up operational floor space.



ABOUT INOX AIR PRODUCTS

INOX Air Products brings more than six decades of industrial gas experience, supported by an established manufacturing and distribution network serving customers across diverse industries.

RELIABLE GAS SUPPLY.
TRUSTED INDUSTRIAL GAS EXPERTISE.

BACKED BY DECADES OF EXPERIENCE
AND AN ESTABLISHED INDUSTRIAL GAS NETWORK.

OUR COMMITMENT

- Quality Checks
- Customer Service
- Account Management
- Safety First
- Pan India Presence

INDUSTRIAL GAS EXPERTISE AT SCALE

>5000 TPD LIQUID MANUFACTURING CAPACITY		**730+** FLEET SIZE	
55+ LOCATIONS IN 17 STATES		**3000+** CUSTOMERS	
6+ DECADES IN BUSINESS		**20+** INDUSTRIES SERVED	

