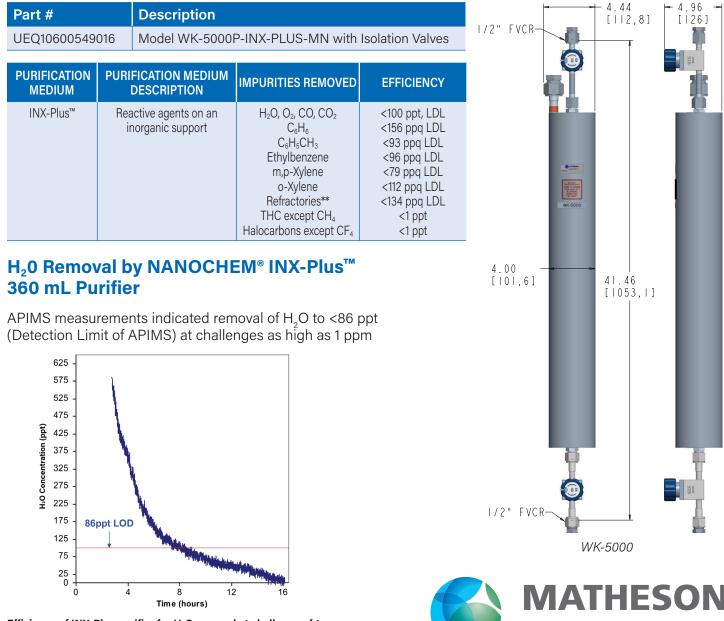


## NANOCHEM<sup>®</sup> Gas Purifiers for use with TNSC MOCVD Reactors

The NANOCHEM<sup>®</sup> WK-Series (White Knight<sup>™</sup>) gas purifiers are commonly used with MOCVD Reactors. They offer high lifetimes and high impurity removal efficiency in an economical design with a compact footprint. The WK-Series is available in several sizes for point-of-use applications to bulk gas purification.

### Commonly used NANOCHEM<sup>®</sup> gas purifiers for MOCVD applications\* Hydrogen and Nitrogen



The Gas Professionals

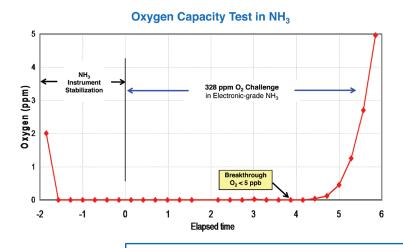
Efficiency of INX-Plus purifier for H<sub>2</sub>O removal at challenge of 1 ppm APIMS (Atmospheric Pressure Ionization Mass Spectrometry)

### Ammonia

Part #		Description		
UEQ10600450010		Model WK-2500F-IN2GO-MN with Isolation Valves		
PURIFICATION MEDIUM	PURIFICATION MEDIUM DESCRIPTION		IMPURITIES REMOVED	EFFICIENCY
In2Go™		active agents on an norganic support	H₂O CO₂ O₂ GeH₄ H₂S SiH₄ TEOS	<45 ppb, LDL <11 ppb, LDL <5 ppb, LDL <1 ppb, LDL <45 ppb, LDL <1 ppb, LDL <40 ppb, LDL

# O<sub>2</sub> Removal in Ammonia by NANOCHEM<sup>®</sup> IN2GO<sup>™</sup>

In2Go<sup>™</sup> also offers high lifetimes and high efficiencies for the removal of oxygen in ammonia.





### **Options**

- Bypass Modules allow disconnection of purifier without interrupting process gas flow
- Poppet Valves
- Canister Refills
- Installation and Conditioning of Purifiers



#### NOTE: 0.003 µm particle filter standard on all models.

\*MATHESON offers a full line of NANOCHEM<sup>®</sup> gas purifiers and purification media for various size MOCVD reactors.

Specifications are subject to change. Please check www.mathesongas.com for most current information.

Copyright 2025 Matheson Tri-Gas, Inc. All Rights Reserved.

All names, products, and services mentioned herein are the trademarks or registered trademarks of their respective organizations and are the sole property of their respective owners. Matheson and the Matheson logo are registered trademarks of Matheson Tri-Gas, Inc. White Knight is a trademark of Matheson Tri-Gas, Inc.

NANOCHEM is a registered trademark of Matheson Tri-Gas, Inc.

Printed in USA PB80 04/2025



www.mathesongas.com Tel: 800-416-2505 Email: Info@mathesongas.com

All contents of this document are subject to change without notice and do not represent a commitment on the part of Matheson Tri-Gas, Inc. Every effort is made to ensure the accuracy of this information. However, due to differences in actual and ongoing operational processes and product improvements and revisions, Matheson Tri-Gas, Inc. cannot guarantee the accuracy of this material, nor can it accept responsibility for errors or omissions. This document is intended to serve as a general orientation and cannot be relied upon for a specific operation. No warranties of any nature are extended by the information contained in these copyrighted materials.