

NANOCHEM®

NANOCHEM® CleanCorr™ Hydrogen Fluoride Gas Purifiers

Removal of moisture and metals from Hydrogen Fluoride

NANOCHEM® CleanCorr™ Purifiers are designed to remove moisture and metals from hydrogen fluoride.

Applications

Hydrogen Fluoride purification for Chemical Vapor Deposition (CVD) wafer surface cleaning and etch process, where moisture and metals can affect the quality and purity of the wafer.

Hydrogen Fluoride purification for chamber cleaning where impurities such as moisture and metals can cause corrosion and contamination.

Features and Benefits

- Custom-designed adsorbent material for point-of-use moisture and metals removal offering:
 - High Capacity**
 - Long Lifetimes**
 - < 3 ppm Efficiency** for moisture and metals in hydrogen fluoride
 - Low Overall Cost of Ownership**
- Room temperature operation - no power required
- Easy to install and operate

Specifications

- 0.003 µm particle filter
- Internal surface finish < 10 µin Ra
- Metal parts of Stainless Steel, Type 316L
- Maximum operating temperature of 40°C (104°F)

Purifier Models / Sizes

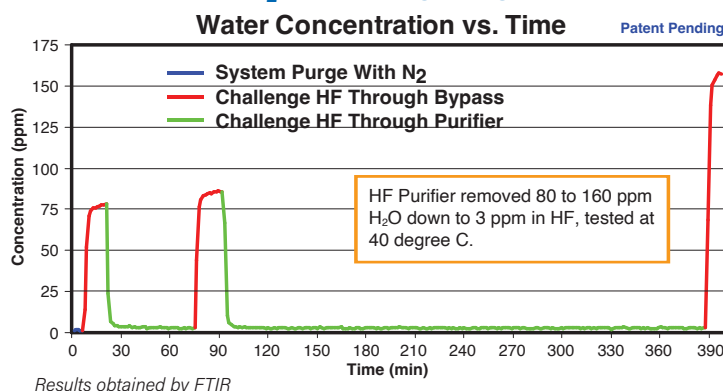
NANOCHEM® CleanCorr™ purification medium is available in the following hardware configurations for point-of-use applications:

Model	Maximum Recommended Flow Rate		Media Volume ml or liters	Maximum Allowable Operating Pressure	
	slpm	(NM³/hr)		psig	(Mpa)
Purifilter®	3	(0.2)	25 ml	1,000	(7)
A-Series	15-50	(0.9)	60-500 ml	500	(3.55)
WK-Series*	10-150	(9)	50-500 ml	500-1000	(3.55)

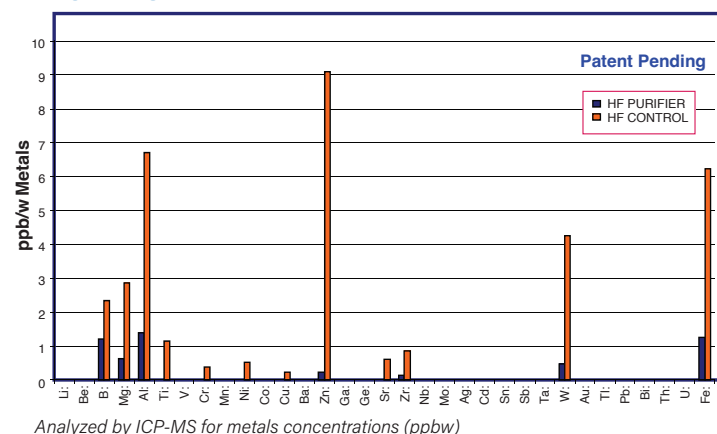
NOTE: 0.003 µm particle filter standard on all models.

*Three-valve manifold with isolation and bypass valves allows disconnection of purifier without interrupting process gas flow for WK-75, WK-300, WK-500

Removal of H₂O from Hydrogen Fluoride



Hydrogen Fluoride Purifier Metals Results



Specifications are subject to change. Please check www.mathesongas.com for most current information.
Copyright 2025 Matheson Tri-Gas, Inc. All Rights Reserved.

MATHESON, NANOCHEM and Purifilter are registered trademarks of Matheson Tri-Gas Inc.
Printed in USA PB79 09/2025



MATHESON
The Gas Professionals

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