

Gas-Specific Purifier Modules

VICI® Mat/Sen® Gas-Specific Purifier Modules

- Replace separate oxygen, moisture, and hydrocarbon traps with one multiple-bed purifier, specific for purifying helium, hydrogen, nitrogen, or air.
- Reduce gas impurities from ppm to low ppb levels.
- Decrease baseline noise and increase GC/MS sensitivity.
- Prepurged with the specified gas, to shorten downtime.



Dimensions: 21" x 1 1/2"
(53.3 x 3.8 cm)

These gas-specific purifier modules offer dramatic reductions in contaminant levels—from ppm to levels that are below the limit of standard analytical detection. Performance is optimized by incorporating a multiple-bed format that progressively lowers concentrations of contaminants at each successive bed. VICI® Mat/Sen® purifiers are guaranteed to produce gases that are purer than 99.9999%, when supplied with gas of 99.995% purity, and are prepurged with the specified gas to speed conditioning. Purifier capacity is approximately four tanks of gas at 99.995% (50ppm) purity, and correspondingly longer for purer gases.

Specifications:

Length	21" (52.3cm)	Pressure Drop from 120psi (827 kPa) inlet at at 0-500mL/min.:	<0.20psi (1.4kPa)
Diameter	1.5" (3.8cm)	End Fittings	compression, 1/8" or 1/4", stainless steel
Maximum Inlet Pressure	1000psi (6895kPa)	Shipping Weight	3.04 lb. (1300 g)
Maximum Recommended Flow	500mL/min.		

Please Note: We recommend using an indicating oxygen trap (e.g., cat.# 22029, pg. 234) downstream from a VICI® Mat/Sen® purifier to continually ensure gas purity and indicate absolute change-out time.

it's a fact

The nitrogen module is excellent for LC/MS systems.

Gas-Specific Purifier Module	Max Pressure	Compression Tube Fittings			
		1/4-inch		1/8-inch	
		qty.	cat.#	qty.	cat.#
Helium Purifier Module	1000psi, 6895kPa	ea.	22600	ea.	22601
Hydrogen Purifier Module	1000psi, 6895kPa	ea.	22602	ea.	22603
Nitrogen Purifier Module*	1000psi, 6895kPa	ea.	22604	ea.	22605
Air Purifier Module	1000psi, 6895kPa	ea.	22606	ea.	22607

*Warning: Do not use with nitrogen containing more than 500ppm of oxygen. If the oxygen level in the stream exceeds 500ppm, use an air purifier.

a plus 1 story

"We enjoy doing business with Restek. Their technical knowledge and willingness to back their products help us to maximize the performance of our chromatography instruments."

Jean-François Vergelin, Département de Seine et Marne,
Direction de l'Eau et de l'Environnement, Laboratoire
Département d'Analyse des eaux (Melun, France)