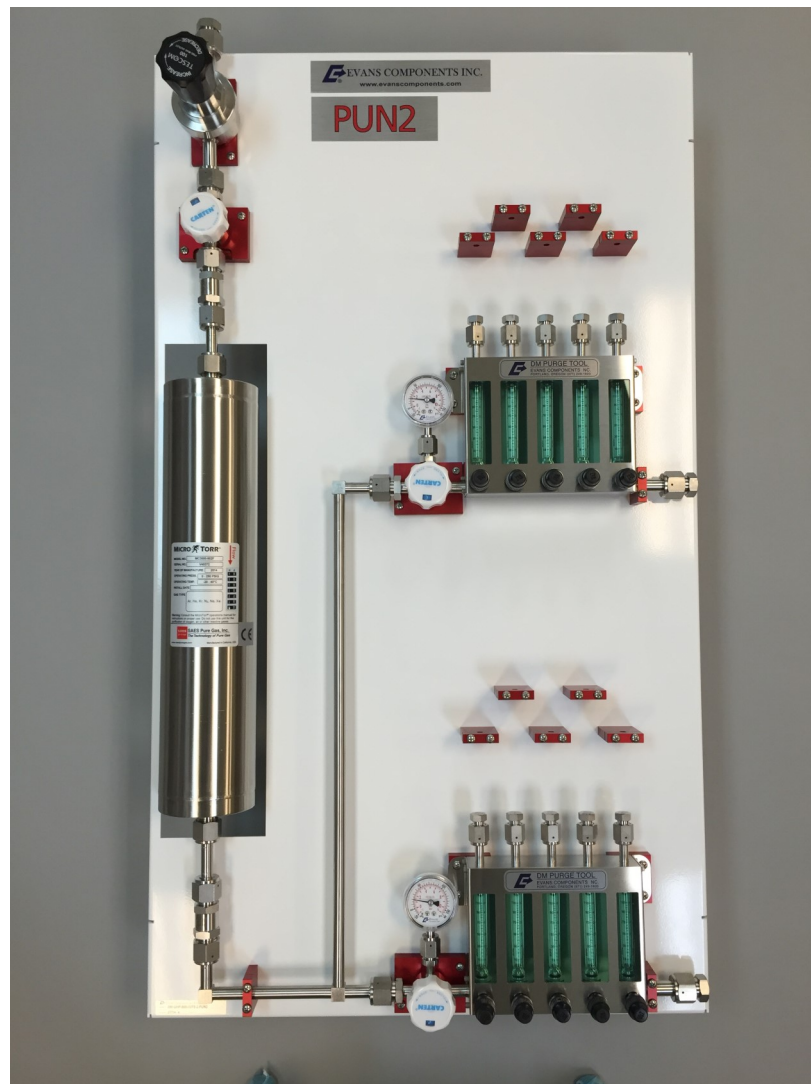


Evans DM Series

Purified N2 Purge Station

Evans introduces a purge station designed for mounting onto the column in the sub-fab for use in manifolding purified utility Nitrogen for purge gas, blow down and line qualification. Utilizing purified utility Nitrogen as a source saves in excess of 10X cost vs. Argon. Purge stations available with 5 or 10 POC's. POU purifier/filters are offered in two sizes (see specs on page 2)



Drawings & Specifications

Important Features and Specifications

- 80% fewer mechanical/weld connections
- Elimination of NPT connections
- Guaranteed dry down to less than 10 ppb moisture
- Helium leak tested to 1×10^{-9} scc/sec
- Lower cost than conventional fabricated systems using multiple fittings
- Custom brackets for column mounting
- UHP cleaned flow meters provide visual indication of flow
- Reduced footprint
- Two purifier/filter options

Purifier/Filter Specifications/Options

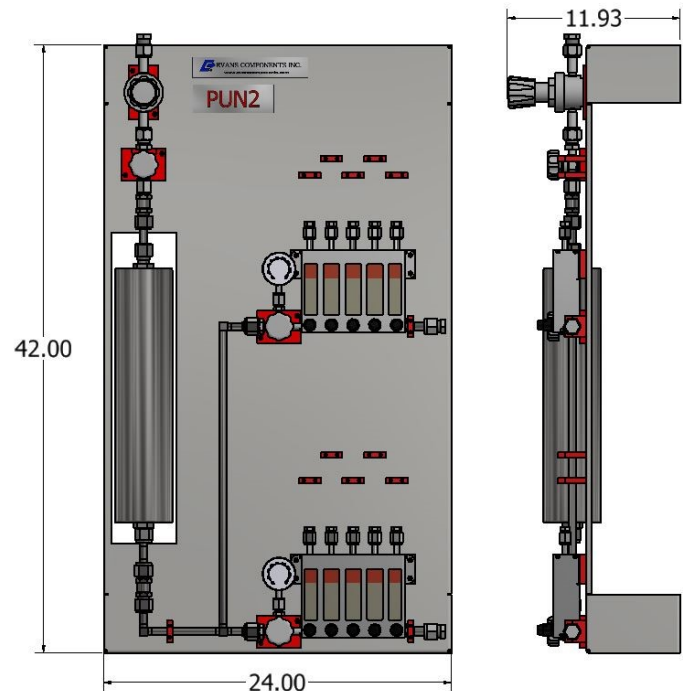
- Purification & removal capabilities:
 - H₂O, O₂, CO₂, H₂, less than 100 ppbV
 - Acids, Organics, Refractory compounds, less than 1 pptV
 - Bases, less than 5 pptV
- Fully regenerable
- DG-UN2881 Class 4.2 classification
- Max operating pressure 250 psig (17.3 barg @ 40C)
- Integrated 0.003 micron metal filter
- 10 Ra electropolished

Part Number Designator (purifier)

- 250 - 250 slpm max flow/nominal flow of 40 slpm
18.20" (462.3) overall length
- 500 - 500 slpm max flow/80 SLPM nominal flow
20" (508.0) overall length

 **EVANS**
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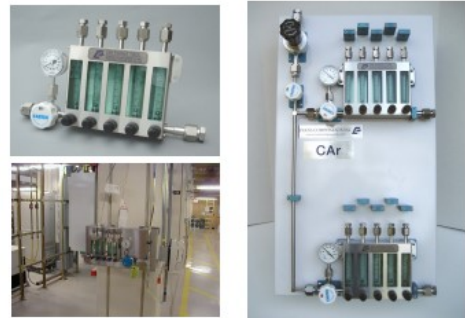
NOTE: Product availability and specifications contained herein are subject to change without notice.



Evans DM Series

Purge Tools

Evans Components provides an economical, reliable and more compact solution to purge gas delivery for high-purity welding and testing in semiconductor applications. The convenient Evans Purge Tools and Purge Stations replace costly, multi-component arrays with an exclusive "integrated manifold" design. All components are integrated into a single compact, lightweight unit. The Purge Tools eliminate assembly time, reduce potential hazing and discoloration of weld zones, and improve reliability. All Evans Purge Tools and Purge Stations are cleaned for oxygen service and packaged in a clean room environment.



Features

- Lower cost than conventional stainless assemblies.
- Fewer connections and welds give unmatched leak integrity.
- Superior purgeability and improved dry-down characteristics

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