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)
**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 X 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

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**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 compact Evans Purge Tools and Purge Stations replace costly, multi-component arrays with an innovative “monoblock” design. All components are integrated into a single compact, lightweight unit. The Purge Tools exhibit assembly ease, reduce potential breaking and delamination of weld lines, 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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NOTE: Product availability and specifications contained herein are subject to change without notice.