

INCH-POUND

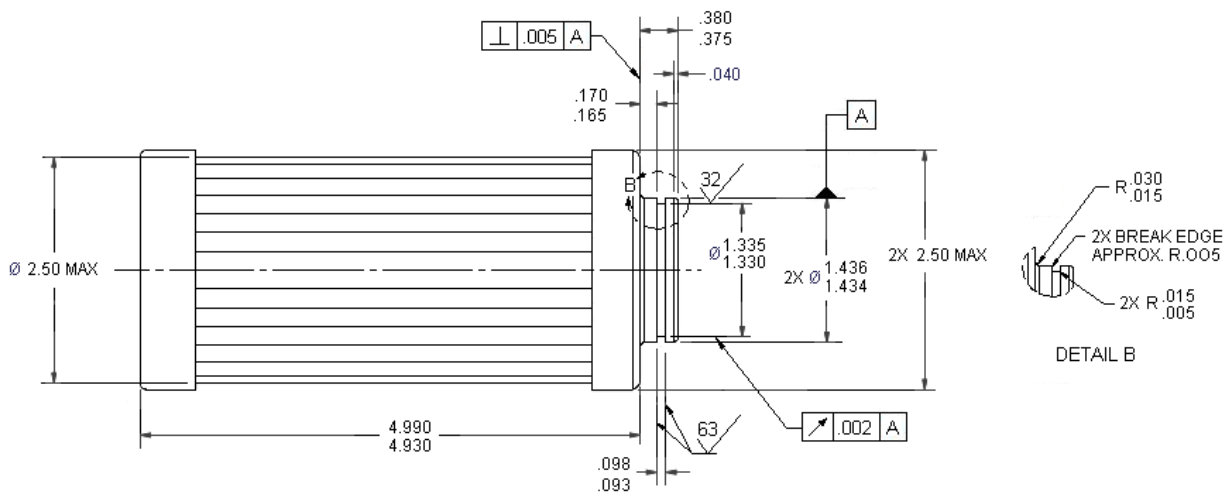
MIL-DTL-8815/33(AV)
21 December 2011

DETAIL SPECIFICATION SHEET

FILTER ELEMENTS, NON-CLEANABLE, FLUID PRESSURE, HYDRAULIC LINE, 3500 PSI, 5 MICRON ABSOLUTE, - 65°F TO 275°F, AVIATION GROUND POWER UNIT (AGPU)

This specification is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the filter element described herein shall consist of this document and Military Specification MIL-F-8815D.



DRAWING NOTES:

1. Dimensions in inches unless otherwise specified.
2. Tolerances, decimals $\pm .010$, angles $\pm 5^\circ$.
3. $125 R_a$ max surface roughness all over except as noted. Surface texture in accordance with ASME B46.1 – 2002 (ANSI) only to machined surfaces.
4. Drawing symbols and tolerance per ASME Y14.5M – 1994.
5. Weight of filter element is 2.00 lbs dry max.
6. Rated flow is 15.0 gpm.
7. O-ring (P/N M83461/1-027) to be supplied with the filter element.

FIGURE 1. Dimensions

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AMSC N/A

FSC 1650

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1. SCOPE

1.1 Scope. This specification covers hydraulic filter elements for the Aviation Ground Power Unit (AGPU). This specification describes:

- (1) A multi-pass filtration performance test under cyclic flow and vibration conditions with continuous contaminant injection for hydraulic fluid power filter elements;
- (2) A procedure for determining the contaminant capacity, particulate removal and differential pressure characteristics; and
- (3) Specific changes, revisions, and modifications to paragraphs of Military Specification MIL-F-8815D.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this specification. This section does not include documents cited in other sections or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4, or 5 of this specification, whether or not they are listed.

2.2 Government Documents.

2.2.1 Specifications, Standards, and Handbooks. The following specifications form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-PRF-5606	Hydraulic Fluid, Fire Resistant, Petroleum Base, Aircraft, Missile and Ordnance
MIL-F-8815D	Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems General Specification for
MIL-PRF-83282	Hydraulic Fluid, Fire Resistant, Synthetic Hydrocarbon Base, Aircraft
MIL-PRF-87257	Hydraulic Fluid, Fire Resistant, Low Temperature, Synthetic Hydrocarbon Base, Aircraft and Missile

(Copies of these documents are available online at <https://assist.daps.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)