

INCH-POUND

MS53063B

18 January 2011

SUPERSEDING

MS53063A

20 February 1969

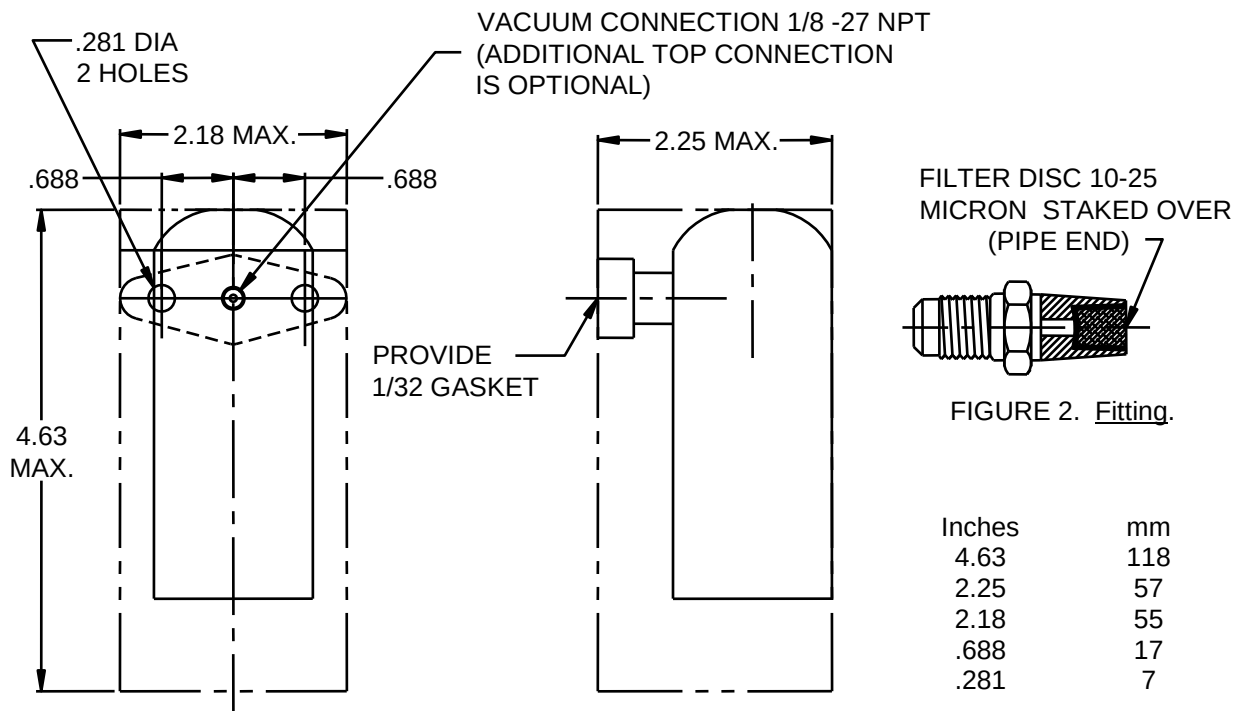
DETAIL SPECIFICATION SHEET

INDICATOR, AIR CLEANER, INTAKE, RESTRICTION MECHANICAL TYPE

Inactive for new design after 22 January 1999.

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

The requirements for acquiring the product described herein shall consist of this specification sheet.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. All tolerances are ± 0.030 (0.762 mm), unless otherwise specified.
4. This drawing is intended for identification purposes only and is not intended to restrict design and shapes not dimensioned.

FIGURE 1. Air cleaner, indicator.

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REQUIREMENTS

Indicator shall be as specified on figure 1 and in table I.

A manually actuated reset button shall be provided to reactivate the warning signal after maximum signaling point has been reached. The location of the reset button is optional.

The signal window shall be $.250 \pm .0625$ inch ($6.35\text{mm} \pm 1.59\text{mm}$) high and shall extend a minimum of 180° around the frontal circumference of the case.

The indicator shall operate in the upright or inclined position. The operating mechanism shall be shielded against oil, dust and moisture.

TABLE I. Maximum signal point.

Part or Identifying Number (PIN)	Former PIN	Maximum signaling point (inch water)
MS53063-1		15
MS53063-2	ORD 8712057-1	20
MS53063-3		25
MS53063-4	ORD 8712057	27
MS53063-5		30

One each of the following fittings shall be furnished with each air cleaner restriction indicator.

- Connector, Flared Tube, Male Pipe End: .250 Tube, .125 - 27 NPT Pipe, SAE J5124-2010102B.
- Connector, with built in safety filter,
(See figure 2, .250 tube, .125-27 NPT pipe, SAE J5124-2010102B modified).

Marking shall be in accordance with MIL-STD-130 and shall include the following data:

- Air cleaner restriction indicator
- Maximum signaling point (in water)
- MS PIN
- Manufactures PIN
- Manufactures name or CAGE code

An instruction sheet, covering installation and operating procedures, shall be furnished with each indicator.

Gasket shall be of a suitable non-metallic material conforming to the requirements of ASTM F36.

Referenced documents shall be the latest revision in effect on date of invitation for bid.

For design feature purposes, this standard takes precedence over procurement documents referenced herein.

Changes from previous issue. Marginal notations are not used in this revision to identify changes due to the extent of the changes.

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Referenced documents. This document references the following.

MIL-STD-130
ASTM F36

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:
DLA - CC

(Project 2940-2010-003)

Review activities:

Navy - MC, SA
Air Force - 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.