

INCH-POUND

MS28050C
11 December 2014
SUPERSEDING
MS28050B
14 September 2005

DETAIL SPECIFICATION SHEET

VALVE, CHECK, LOW PRESSURE, INTERNAL THREADS

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 and MIL-DTL-6129.

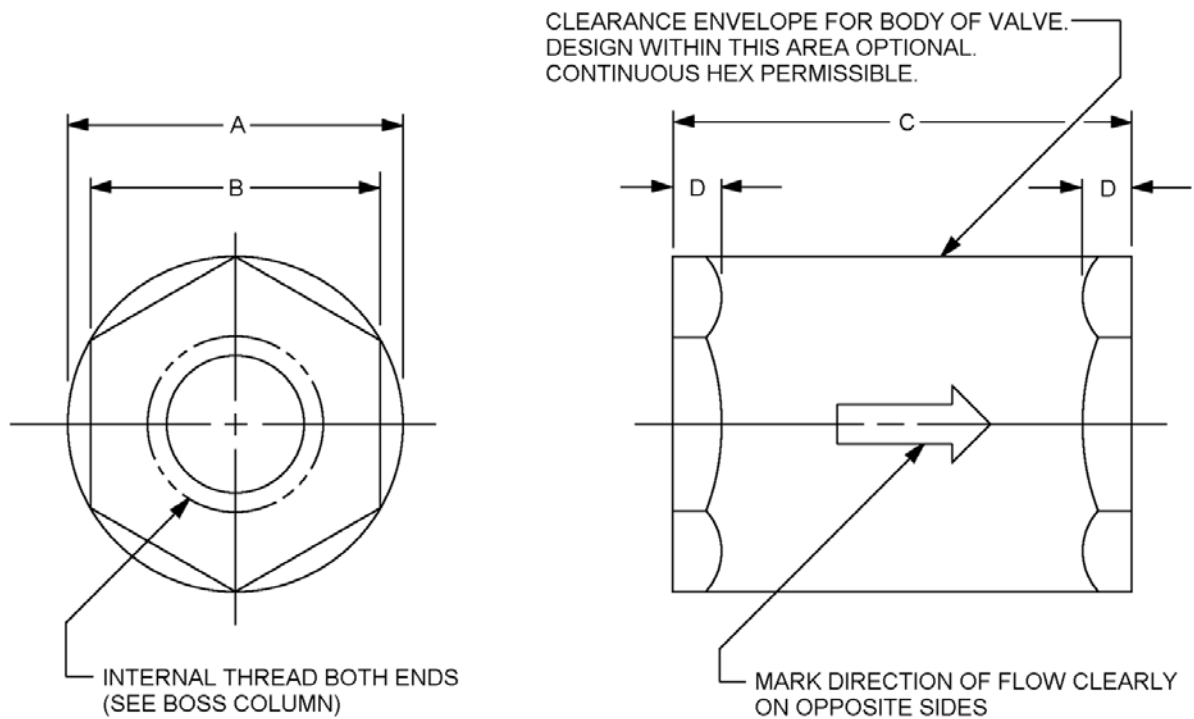


FIGURE 1. Valve, check, low pressure, internal threads.

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Check valve tube size designator	Tubing size (ref) OD (mm)	A max (mm)	B max (mm)	C $\pm .0625$ (1.16mm)	D min (mm)	Weight max (lb) (g)	Boss AND10050 (see note 4)	O-rings two each required SAE-AS28778 PIN (see note 5)
-1	0.250 (6.35)	1.750 (44.45)	1.125 (28.58)	2.250 (57.15)	0.250 (6.35)	0.300 (136)	-4	MS28778-4
2	0.375 (9.53)	2.000 (50.80)	1.125 (28.58)	2.500 (63.50)	0.250 (6.35)	0.300 (136)	-6	MS28778-6
-3	0.500 (12.70)	2.000 (50.80)	1.250 (31.75)	2.500 (63.50)	0.281 (7.14)	0.300 (136)	-8	MS28778-8
-4	0.625 (15.88)	2.188 (55.58)	1.375 (34.93)	3.000 (76.20)	0.312 (7.92)	0.450 (204)	-10	MS28778-10
-5	1.000 (25.40)	2.500 (63.50)	1.750 (44.45)	3.500 (88.90)	0.344 (8.74)	0.600 (272)	-16	MS28778-16

NOTES:

1. Dimensions are in inches, unless otherwise specified.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, Tolerances $\pm .016$ inch (0.41 mm).
4. Equivalent tube size dash number reference AND10050.
5. Part or Identifying Number (PIN)

FIGURE 1. Valve, check, low pressure, internal threads - Continued.

REQUIREMENTS:

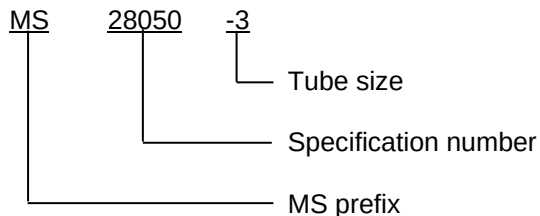
Dimensions and configurations: See figure 1.

Designed for use with air, coolants and water at pressures not exceeding 50 PSI (3.45 bar).

Material in accordance with MIL-DTL-6129.

Threads in accordance with MIL-DTL-6129.

PIN:



PIN example MS28050-3 specifies a check valve .500 (12.10 mm) tube size.

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Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Referenced documents shall be of the issue in effect on date of invitations for bid.

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

Reference documents. In addition to MIL-DTL-6129, this document references the following:

AND10050
SAE-AS28778

CONCLUDING MATERIAL

Custodians:
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:
DLA - CC

Review activities:
Navy - MC, SA
Air Force - 70, 71

(Project 4820-2014-014)

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.dla.mil>.