

INCH-POUND

MIL-T-45169E(AL)
AMENDMENT 1
4 January 1993

MILITARY SPECIFICATION

TANK, PRESSURE, AIR, PORTABLE

This amendment forms a part of MIL-T-45169E, dated 17 January 1992, and is approved for use by the US Army Armament Research, Development and Engineering Center, Department of Army and is available for use by all Departments and Agencies of the Department of Defense

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Beneficial comments block, line 4: change "SMCAR-EST-S" TO "SMCAR-EST-P".

PAGE 6

3.6.5,: Delete 3.6.5 in its entirety and substitute:

"3.6.5 Safety valve. The tank shall be fitted with a safety pressure relief valve. The safety pressure relief valve shall release the pressure in the tank, when the tank reaches a pressure in the range of 135 to 165 psig. The safety pressure relief valve shall automatically reset itself at a pressure of not less than 75 psig."

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4.6.4,: Delete 4.6.4 in its entirety and substitute:

"4.6.4 Safety pressure relief valve test. This test shall be performed on each lot offered for acceptance. A measuring device having an accuracy within 0.3 psig of the value being measured shall be used as reference for this test. The air pressure in the tank shall be gradually increased until the safety pressure relief valve releases. Air flow into the tank shall then be stopped. The pressure at which the safety pressure relief valve opens and closes shall be noted. Failure of the safety pressure relief valve to open in the range of 135 to 165 psig, or failure to close at no less than 75 psig shall be cause for rejection (see 3.6.5)."

AMSC N/A

FSC 4940

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4.6.7,: Add the following paragraph:

"4.6.7 Capacity and weight test. These tests shall be performed only during first article testing. Completely fill the interior of the tank with water through the most convenient opening. Empty the water from the tank and measure the full content of the fluid. The fluid content shall measure at least 8.5 gallons. Weigh the tank assembly complete with hose, gauges, fittings, chucks, and handles. The weight of the tank assembly shall not exceed 42 pounds. The weight scale shall be accurate within 1 percent. Failure of the tank capacity to measure at least 8.5 gallons or meet the weight requirements of 42 pounds or less shall be cause for rejection."

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5.1.1.3,: Delete 5.1.1.3 in its entirety and substitute:

"5.1.1.3 Unit Packs. The unit method of protection for the basic tank shall conform to method I of MIL-P-116. The gage crystal shall be covered with a piece of fiberboard conforming to PPP-F-320, type CF, class weather-resistant, variety SW, grade optional. Secure the fiberboard in place with tape conforming to PPP-T-60, type optional. The pressure gage, filler valve, air hose and safety valve shall remain connected to the basic unit. Wrap parts with cushioning material conforming to PPP-C-843, type II. Release all pressure in tank and seal all openings with tape or plastic cap-plugs conforming to PPP-T-60, type IV or MIL-C-5501, respectively. Place the tank and attached components in a fiberboard box conforming to PPP-B-636, class weather-resistant. The tank shall be braced inside the unit container with fiberboard of PPP-F-320 formed into pads or cut shapes. Any technical publications furnished shall be packaged in accordance with method IC-1 and placed inside the unit container."

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