

UNITED STATES DEPARTMENT OF AGRICULTURE  
 FOREST SERVICE  
 SPECIFICATION FOR  
 FIRE HOSE, CONNECTIONS AND FITTINGS

Page 2, Paragraph 2.2. Delete the address for ANSI/ASQC documents and substitute the following:

Address requests for copies to American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, NY, 10036.

Page 9, Delete Table 7 and substitute the following:

Table 7. Hose Line Tee with Cap and Chain Dimensions

Combination Type	Thread Series Designation			Maximum Dimensions			Maximum Weight
	Female	Male	Branch	A Length inch (mm)	B Centerline Waterway to Maximum Distance inch (mm)	C Inlet Outside Diameter inch (mm)	ounces (grams)
A	1 NPSH	1 NPSH	3/4 NH	3.75 (95.3)	1.50 (38.1)	1.63 (41.4)	8.0 (226.8)
B	1 NPSH	1 NPSH	1 NPSH	3.75 (95.3)	1.50 (38.1)	1.63 (41.4)	8.0 (226.8)
C	1-1/2 NH	1-1/2 NH	1 NPSH	3.75 (95.3)	1.75 (44.5)	2.25 (57.2)	8.0 (226.8)

Page 10, Delete the existing 3.2.8., and substitute the following:

3.2.8 Hose Line Tee with Valve. The hose line tee with valve is illustrated in figure 8 and the dimensions are indicated in table 8. The female end and the male ends are the same size, but the male tee branch size and thread series designations are different. The tee branch includes a screw-type valve. The hose line tee with valve is used to connect a male hose connection to the female end; and a female hose connection to the male end. The tee branch male end can be connected to a female connection. The screw type valve shall be assembled in a manner to prevent separation from the hose line tee body. The hose line tee body and screw type valve threads shall remain engaged through full range of motion. The acquisition document may require a cap with chain as described in 3.2.6. A point of attachment for the cap with chain shall be at the male threaded section as indicated in figure 8.

Page 11, Paragraph 3.3.1. Connection and Fitting Material. Substitute the following:

a. Aluminum alloy, 6061-T6, or 6262-T651 (not 6262-T6) in accordance with ASTM B221 or B241.

Substitute the following for the first part of the second sentence, with items d, e, f, and g unchanged:

The material for the hose line tee, cap with chain, and hose line tee with valve shall conform to the following:

Page 12, delete 3.10.1 and substitute the following 3.10.1. and 3.10.2:

3.10.1 Proof Pressure Test. When tested in accordance with 4.6.2, the connection or fitting shall withstand a hydrostatic working pressure of 600 psig (4,137 kPag) with no leaks, permanent deformation, mechanical damage, or structural failure. The connection or fitting shall also withstand a hydrostatic proof pressure of 1,200 psig (8,274 kPag) with no permanent deformation, mechanical damage, structural failure, or leakage greater than two drops per minute.

3.10.2 Flow Rate. When tested in accordance with 4.6.3, the tee branch of the hose line tee with valve (see 3.2.8) shall have a minimum flow rate of 50.0 gpm (189 Lpm) at inlet pressure of 100 psig (690 kPag).

Page 15, delete 4.6.2, and substitute the following 4.6.2 and 4.6.3:

4.6.2 Proof Pressure Test. As required by 3.10.1, a connection or fitting shall be tested for proof pressure by attaching it to a water pressure source. A blank orifice (cap) shall be installed on the discharge/outlet. When proof pressure testing a hose line tee with valve, the valve shall first be tested in a fully closed position with the tee outlet capped and the tee branch uncapped. The valve will then be tested in a fully open position, with both the tee outlet and the tee branch capped. Fully open position means until turning is prevented by a mechanical stop. When proof pressure testing a cap, the cap shall be installed on a fire hose connection or fitting in preparation for testing. A hydrostatic pressure of 600 psig (4,137 kPag) shall be applied and held for 3 minutes. The rate for applying hydrostatic pressure shall not be less than 300 psig (2,068 kPag) per minute and not more than 600 psig (4,137 kPag) per minute, i.e., at a uniform rate over a 1 to 2 minute time interval. There shall be no leaks, permanent deformation, mechanical damage, or structural failure.

Increase the hydrostatic pressure to 1,200 psig (8,274 kPag) at the same rate and hold for 3 minutes. There shall be no permanent deformation, mechanical damage, structural failure, or leakage greater than two drops per minute.

Reduce the hydrostatic pressure to 600 psig (4,137 kPag) at the same rate and hold for 3 minutes. There shall be no leaks, permanent deformation, mechanical damage, or structural failure.

4.6.3 Flow Rate Test. As required by 3.10.2, the tee branch of the hose line tee with valve shall be tested for flow rate by attaching the hose line tee inlet to a water pressure source. A blank orifice (cap) shall be installed on the hose line tee outlet. The flow rate through the valved tee branch with the valve fully open shall be a minimum of 50.0 gpm at 100 psig (690 kPag).