



## **Minimum Equipment on Water Tender NFPA 1901 2009**

### **NFPA 1901 Chapter 7 Mobile Water Supply Fire Apparatus**

Pump - If the apparatus is equipped with a fire pump, the pump shall meet the requirements of NFPA 1901 Chapter 16.

#### **Water Tank**

The mobile water supply apparatus shall be equipped with a water tank(s) that meets the requirements of NFPA 1901 Chapter 18 and that has a minimum certified capacity (combined, if applicable) of 1000 gallon.

#### **Equipment Storage**

A minimum of 20 cubic feet of enclosed weather-resistant compartmentation meeting the requirements of NFPA 1901 Section 15.1 shall be provided for the storage of equipment.

#### **Hose Storage**

A minimum hose storage area of 6 cubic feet for 2.5 in. or larger fire hose that meets the requirements of NFPA 1901 Section 15.10 shall be provided. If the apparatus is equipped with a fire pump, two areas, each a minimum of 3.5 cubic feet, to accommodate 1.5 in. or larger preconnected fire hose lines shall be provided.

#### **Suction Hose**

If the mobile water supply fire apparatus is equipped with a pump, the requirements in NFPA 1901 7.6.1 through 7.6.3 shall apply.

A minimum of 20 ft of suction hose or 15 ft of supply hose shall be carried.

Where hard suction hose is provided, a suction strainer shall be furnished.

Where hard suction hose is provided, the friction and entrance loss of the combination suction hose and strainer shall not exceed the losses listed in NFPA 1901 Table 16.2.4.1(b) or Table 16.2.4.1(c).

Where supply hose is provided, it shall have couplings compatible with the local hydrant outlet connection on one end and the pump intake connection on the other end.

Suction hose shall meet the requirements of NFPA 1961, Standard on Fire Hose.

The purchaser shall specify whether hard or soft suction hose is to be provided, the length and size of the hose, the type and size of the couplings, the manner in which the suction hose is to be carried on the apparatus, and the style of brackets desired.

### **Minor Equipment**

The equipment listed in 7.7.2 and 7.7.3 shall be available on the mobile water supply fire apparatus before the apparatus is placed in service.

Brackets or compartments shall be furnished so as to organize and mount the specified equipment.

A detailed list of who is to furnish the items and the method for organizing and mounting these items shall be supplied by the purchasing authority.

### **Fire Hose and Nozzles**

The mobile water supply apparatus shall be equipped with at least 200 ft of 2.5 in. or larger fire hose.

If the mobile water supply apparatus is equipped with a fire pump, the following shall be provided:

1. 400 ft of 1.5 in., 1.75 in., or 2 in. fire hose
2. Two handline nozzles, 95 gpm minimum

### **Equipment**

Mobile water supply fire apparatus shall be equipped with at least the following equipment:

1. One 6 lb flathead or pickhead axe mounted in a bracket fastened to the apparatus
2. One 6 ft or longer pike pole or plaster hook mounted in a bracket fastened to the apparatus
3. Two portable hand lights mounted in brackets fastened to the apparatus
4. One approved dry chemical portable fire extinguisher with a minimum 80-B:C rating mounted in a bracket fastened to the apparatus
5. One 2.5 gal or larger water extinguisher mounted in a bracket fastened to the apparatus
6. One SCBA complying with NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services, for each assigned seating position, but not fewer than two, mounted in brackets

- fastened to the apparatus or stored in containers supplied by the SCBA manufacturer
7. One spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space(s)
  8. One first aid kit
  9. Two combination spanner wrenches mounted in a bracket fastened to the apparatus
  10. One hydrant wrench mounted in a bracket fastened to the apparatus
  11. One double female adapter, sized to fit 2.5 in. or larger fire hose, mounted in a bracket fastened to the apparatus
  12. One double male adapter, sized to fit 2.5 in. or larger fire hose, mounted in a bracket fastened to the apparatus
  13. Two wheel chocks, mounted in readily accessible locations, each designed to hold the apparatus, when loaded to its maximum in-service weight, on a 10 percent grade with the transmission in neutral and the parking brake released
  14. One traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, Standard for High-Visibility Public Safety Vests, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front
  15. Five fluorescent orange traffic cones not less than 28 in. in height, each equipped with a 6 in. retroreflective white band no more than 4 in. from the top of the cone, and an additional 4 in. retroreflective white band 2 in. below the 6 in. band
  16. Five illuminated warning devices such as highway flares, unless the five fluorescent orange traffic cones have illuminating capabilities
  17. One automatic external defibrillator (AED)

If the mobile water supply apparatus is equipped with a fire pump, and none of the pump intakes required by NFPA 1901 section 16.6.1 are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side shall be carried. Any intake connection 3.5 in. or larger shall include a pressure relief device that meets the requirements of 16.6.6.

If the mobile water supply apparatus is equipped with a fire pump, a rubber mallet for use on suction hose connections shall be carried in a bracket fastened to the apparatus.

If the apparatus does not have a 2.5 in. intake with NH threads, an adapter from 2.5 in. NH female to a pump intake shall be carried, mounted in a bracket fastened to the apparatus if not already mounted directly to the intake.

If the supply hose carried has other than 2.5 in. NH threads, adapters shall be carried to allow feeding the supply hose from a 2.5 in. NH thread male discharge and to allow the hose to connect to a 2.5 in. NH female intake, mounted in brackets fastened to the apparatus if not already mounted directly to the discharge or intake.