

1513.1030 CONTAINER APPURTENANCES.

Subpart 1. **Maximum liquid level gauge.** A container must be equipped with a fixed maximum liquid level gauge that is designed to indicate when the container has been filled to 85 percent of its water capacity. The dip tube of this gauge must be installed in such a manner that it cannot be readily removed.

Subp. 2. **Pressure gauge.** A container must be equipped with a pressure gauge having a dial graduated from 0-400 psig.

Subp. 3. **Filling connection.** The filling connection of each container must comply with the requirements of part 1513.0150, subpart 10.

Subp. 4. **Vapor equalization valve.** A container must be equipped with a vapor equalizing valve unless equipped for spray loading.

Subp. 5. **Excess flow valves.** All vapor and liquid connections, except pressure relief valves and those specifically exempt in part 1513.0150, subpart 5, must be equipped with excess flow valves or may be fitted with quick-closing internal valves, which remain closed except during operating periods. An excess-flow valve is not required if the controlling orifice is not in excess of 7/16 inch in diameter and the valve is a hand-operated, attached hand wheel or equivalent, shut-off valve. To assist in filling applicator tanks, it is permissible to bleed vapors to the open air, if other requirements in this part are met.

Subp. 6. **Rigid guard.** Appurtenances on farm wagons must be protected from physical damage by a rigid guard designed to withstand static loading in any direction equal to twice the weight of the container and lading using a safety factor of four based upon the ultimate strength of the material used. If the guard encloses the pressure relief valve, the valve must be properly vented through the guard.

Subp. 7. **Coupling device.** If the applicator or nurse tank is trailed and the metering device is remotely mounted, such as on the tool bar, an automatic break-away, self-closing coupling device must be used. The coupling device must be made from or coated with a corrosion resistant material. The coupling device must be mounted in a manner that will permit the device to swivel freely in all directions. A coupling device must be maintained in accordance with the manufacturer's recommendations. An angle valve may not be used as a hose end valve connecting to the coupling device.

Subp. 8. **Control valve.** Any control valve installed between the regulator and the break-away coupling device must indicate whether the valve is open or closed.

Subp. 9. **Liquid withdrawal line.** If a liquid withdrawal line is installed in the bottom of the container, the connections to it, including hose, must not be lower than the lowest horizontal edge of the farm wagon axle. The hose must be drained and depressurized before the container is moved or towed on a public road.

Subp. 10. **Hose ends.** Provision shall be made to secure both ends of the hose in transit.

Subp. 11. **Containers.** Containers in this part must comply with all requirements as prescribed in Code of Federal Regulations, title 49, section 173.315(m).

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