

1513.0140 MARKINGS OF NONREFRIGERATED CONTAINERS AND SYSTEMS OTHER THAN DOT CONTAINERS.

Subpart 1. **Nameplates.** Each system nameplate must be made of a noncorroding metal permanently attached to the system by continuous welding around its perimeter and located so as to be readily accessible for inspection. Nameplates must be maintained in legible condition and include markings as prescribed in subpart 2.

Subp. 2. **Information required.** Each container or system covered in parts 1513.0300 to 1513.0380 and 1513.0700 to 1513.0930, except "ton containers" and "cylinders," and parts 1513.1000 to 1513.1070 must be marked as specified by paragraphs UG-116 and UG-118(b) of the ASME code or as follows:

- A. with an identification number issued by the commissioner;
- B. with the certification date;
- C. with the maximum allowable working pressure;
- D. with the wall thickness of the container shell and heads in inches or millimeters; and
- E. with the water capacity of the container in pounds or kilograms, or United States standard gallons or cubic meters (m^3) at 60 degrees Fahrenheit (15.6 degrees centigrade).

Items A to E must be determined and documented, on forms provided by the commissioner, by a company that holds a valid R-stamp, in compliance with the current edition of the National Board Inspection Code. Storage containers installed prior to September 3, 1996, are not required to be renameplated. If needed, nurse tanks and applicator tanks must be renameplated by September 3, 1998.

Subp. 3. **Liquid level gauge.** Each container or system covered in parts 1513.0300 to 1513.0380 and 1513.0700 to 1513.0930, except cylinders, and parts 1513.1000 to 1513.1070 must be fitted with a liquid level gauge indicating the maximum level to which the container may be filled with liquid anhydrous ammonia at temperatures between 20 degrees Fahrenheit and 100 degrees Fahrenheit, except on containers provided with fixed maximum level indicators, such as fixed length dip tubes or containers that are filled by weight. Marks must be in increments of not more than 20 degrees Fahrenheit. Part 1513.0190, subpart 3, contains requirements for thermometer wells and thermometers.

Subp. 4. **Container openings.** All nonrefrigerated system openings and appurtenances except for pressure relief valves, pressure indicating devices, thermometer wells, or liquid level indicators must be marked, stenciled, tagged, or decaled to indicate whether the opening is in contact with the liquid or vapor phase when the container is filled to the maximum allowable filling density. If paint is used to identify the phases, liquid

must be orange and vapor yellow. The valves and lines must be painted to within three feet, except for hose, of the system openings.

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