## Sec. 4.41. Liquid Measures

## A. Application

A.1. - This code applies to liquid measures; that is, to rigid measures of capacity designed for general and repeated use in the measurement of liquids.
A.2. - The code does not apply to test measures or other volumetric standards.
A.3. - See also Sec. 1.10; General Code requirements.

## S. Specifications

## S.1. Units. -

a. The capacity of a liquid measure shall be $0.1 \mathrm{~L}, 0.2 \mathrm{~L}, 0.5 \mathrm{~L}, 1 \mathrm{~L}, 2 \mathrm{~L}, 5 \mathrm{~L}$, or a multiple of 5 L , and the measure shall not be subdivided.
b. The capacity of a liquid measure shall be 1 gill, $1 / 2$ liquid pint, 1 liquid pint, 1 liquid quart, $1 / 2$ gallon, 1 $1 / 4$ gallon, $1-1 / 2$ gallon, or a multiple of 1 gallon, and the measure shall not be subdivided. However, 3-pint and 5-pint brick molds and 2-1/2 gallon (10-quart) cans shall be permitted when used exclusively for ice cream.
S.2. Material. - Measures shall be made of metal, glass, earthenware, enameled ware, composition, or similar and suitable material. If made of metal, the thickness of the metal shall not be less than the appropriate value given in Table 1.

| Table 1. <br> Minimum Thickness of Metal for Liquid Measures |  |  |
| :---: | :---: | :---: |
| Nominal capacity | Minimum thickness |  |
|  | For iron or steel, plated or unplated (inch) | For copper or aluminum (inch) |
| 1 pint or less | 0.010 | 0.020 |
| 1 quart, $1 / 2$ gallon, 1 gallon | 0.014 | 0.028 |
| Over 1 gallon | 0.016 | 0.032 |

S.3. Capacity Point. - The capacity of a measure shall be determined to a definite edge, or to the lowest portion of a plate, bar, or wire, at or near the top of the measure, and shall not include the capacity of any lip or rim that may be provided.
S.4. Reinforcing Rings. - Reinforcing rings, if used, shall be attached to the outside of the measure and shall show no divisions or lines on the inside surface of the measure.
S.5. Discharge. - A measure equipped with a discharge faucet or valve shall be susceptible to complete discharge through the faucet or valve when the measure is standing on a level surface.
S.6. Marking Requirements. - A measure shall be marked on its side with a statement of its capacity. If the capacity is stated in terms of the pint or quart, the word "Liquid" or the abbreviation "Liq" shall be included.

## T. Tolerances

T.1. - Maintenance tolerances in excess and in deficiency shall be as shown in Table 2. Acceptance tolerances shall be one-half the maintenance tolerances.

Table 2.
Maintenance Tolerances, in Excess and in Deficiency, for Liquid Measures


