

**§ 58.414**

**7 CFR Ch. I (1-1-05 Edition)**

EQUIPMENT AND UTENSILS

**§ 58.414 General construction, repair and installation.**

All equipment and utensils necessary to the manufacture of cheese and related products shall meet the same general requirements as outlined in § 58.128. In addition, for certain other equipment the following requirements shall be met.

**§ 58.415 Starter vats.**

Bulk starter vats shall be of stainless steel or equally corrosion resistant metal and should be constructed according to the applicable 3-A Sanitary Standards. New or replacement vats shall be constructed according to the applicable 3-A Sanitary Standards. The vats shall be in good repair, equipped with tight fitting lids and have adequate temperature controls such as valves, indicating and/or recording thermometers.

**§ 58.416 Cheese vats, tanks and drain tables.**

(a) The vats, tanks and drain tables used for making cheese should be of metal construction with adequate jacket capacity for uniform heating. The inner liner shall be minimum 16 gauge stainless steel or other equally corrosion resistant metal, properly pitched from side to center and from rear to front for adequate drainage. The liner shall be smooth, free from excessive dents or creases and shall extend over the edge of the outer jacket. The outer jacket shall be constructed of stainless steel or other metal which can be kept clean and sanitary. The junction of the liner and outer jackets shall be constructed so as to prevent milk or cheese from entering the inner jacket.

(b) The vat, tank and/or drain table shall be equipped with a suitable sanitary outlet valve. Effective valves shall be provided and properly maintained to control the application of heat to this equipment. If this equipment is provided with removable cloth covers, they shall be clean.

**§ 58.417 Mechanical agitators.**

The mechanical agitators shall be of sanitary construction. The carriages shall be of the enclosed type and all

product contact surfaces, shields, shafts, and hubs shall be constructed of stainless steel or other equally corrosion resistant metal. Metal blades, forks, or stirrers shall be constructed of stainless steel and of material approved in the 3-A Sanitary Standards for Plastic, and Rubber and Rubber-Like Materials and shall be free from rough or sharp edges which might scratch the equipment or remove metal particles.

**§ 58.418 Automatic cheese making equipment.**

(a) *Automatic Curd Maker.* The automatic curd making system shall be constructed of stainless steel or of material approved in the 3-A Sanitary Standards for Plastic, and Rubber and Rubber-Like Material. All areas shall be free from cracks and rough surfaces and constructed so that they can be easily cleaned.

(b) *Curd conveying systems.* The curd conveying system, conveying lines and cyclone separator shall be constructed of stainless steel or other equally corrosion resistant metal and in such manner that it can be satisfactorily cleaned. The system shall be of sufficient size to handle the volume of curd and be provided with filtered air of the quality satisfactory for the intended use. Air compressors or vacuum pumps shall not be located in the processing or packaging areas.

(c) *Automatic salter.* The automatic salter shall be constructed of stainless steel or other equally corrosion resistant metal. This equipment shall be constructed to equally distribute the salt throughout the curd. It shall be designed to accurately weigh the amount of salt added. The automatic salter shall be constructed so that it can be satisfactorily cleaned. The salting system shall provide for adequate absorption of the salt in the curd. Water and steam used to moisten the curd prior to salting shall be potable water or culinary steam.

(d) *Automatic curd filler.* The automatic curd filler shall be constructed of stainless steel or other equally corrosion resistant metal. This equipment shall be of sufficient size to handle the volume of curd and constructed and controlled so as to accurately weigh