

- (b) All parts of the food product zone shall be free of recesses, dead ends, open seams, and gaps, crevices, protruding ledges, inside threads, inside shoulders and bolts or rivets which form pockets and patterns.¹²
- (c) All permanent joints of metal parts shall be butt welded.¹³
- (d) All welding within the food product zone shall be continuous, smooth, even, and flush with the adjacent surfaces.
- (e) All interior corners shall be provided with a minimum radius of $\frac{1}{4}$ inch, except where a greater radius is required to facilitate drainage or cleaning.
- (f) The equipment shall be constructed and installed to provide sufficient pitch so as to be completely self-draining.
- (g) Equipment which introduces air into the food product or uses air to convey the food product shall be fitted with a filter capable of withholding particles 50 microns or larger in size. Such filters shall be readily removable for cartridge replacement or cleaning.
- (h) Bearings shall be located outside the food product zone or outboard and shall be of the sealed or self-lubricated type. Those intended for use with a dry granular or a dry pulverized product directly adjacent to the food product zone shall be of the sealed type, without grease fittings. The bearings shall be installed flush to eliminate any recessed areas around the shaft within the food product zone.
- (i) Shaft seal assemblies and packing glands shall be outboard, and shall be readily removable. The shaft seal or packing shall be retractable within a space between the assembly and bearing to facilitate easy removal of the sealing assembly and materials, for cleaning and inspection.
- (j) Screening and Straining Surfaces: All permanent screening and straining devices shall be readily removable for cleaning and inspection. They shall be designed to prevent replacement in an improper position.
 - ((1)) Liquid: Permanent screening and straining surfaces intended for use with a liquid or a semi-liquid product shall be fabricated from perforated metal.
 - ((2)) Dry: Permanent screening and straining surfaces intended for use with a dry granular or a dry pulverized product shall be fabricated from perforated metal. Provided, that wire screen of not less than 30 x 30 continuous mesh may be used.
- (k) All filtering surfaces shall be readily removable for cleaning and inspection.
 - ((1)) Filter papers shall be of the single-service type.
 - ((2)) Filter cloths and spun glass filters shall be launderable.
- (l) Hinges and latches shall be of the simple take-apart type.
- (m) Motors shall be of the totally enclosed finless type and shall be mounted on the equipment whenever possible.
- (n) Covers shall be provided on reservoirs, hoppers or other vessels, and they shall be readily removable and shall be fitted with drip protective

¹² To prevent protruding ledges and impediment to flow following assembly of parts, factory pre-alignment of parts is urged.

¹³ Dissimilar metals should not be used in equipment construction if their contact with liquid products may create deleterious chemical and electrolytic action.