

STANDARD INFORMATION

Standard: UL 763

Standard ID: Motor-Operated Commercial Food Preparing Machines [UL 763:2018 Ed.5+R:27Mar2020]

Previous Standard ID: Motor-Operated Commercial Food Preparing Machines [UL 763:2018 Ed.5]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 27, 2022**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard.

Overview of Changes:

- Revised requirements for immersion blenders
- Revised requirements for the strain relief test
- New ground continuity test added
- New marking for intentionally ungrounded parts

Specific details of new/revise requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
31	Info	Wand-type Mixers (Immersion Blenders) <p>A hand-held wand-type mixer shall be provided with a momentary contact ON/OFF switch (defined in 3.20) having the following features:</p> <p>a) A distinct and separate motion, in addition to gripping the product, shall be required to energize the unit; b) The motion shall not be easily defeatable; c) A single motion shall be required to de-energize the unit; and d) The switch shall not be capable of locking in the ON position.</p> <p><u>a) The switch shall be recessed or guarded as required in 31.6; and</u></p> <p><u>Exception to (a): A hand-held wand-type mixer requiring two separate actuations to energize the unit. The last actuation shall be a momentary contact ON/OFF switch.</u></p> <p><u>b) A single motion shall be required to de-energize the unit; and</u> <u>c) The switch shall not be capable of locking in a continuous ON mode.</u></p> <p>31.1 <u>Exception to (c): A hand-held wand-type mixer may be provided with a continuous ON mode under the following conditions:</u></p> <p><u>a) It is provided with visual indicator so the operator can determine by visual inspection that the appliance is operating (e.g. the blade is rotating); and</u> <u>b) The operation shall require at least two separate actuations to engage the continuous ON mode. The two actuations shall include:</u></p> <p><u>1) A momentary contact ON/OFF switch must first be actuated to initiate operation of the unit; and</u> <u>2) A separate actuation to engage the continuous ON mode. After the continuous ON mode is engaged, the momentary contact ON/OFF switch may be released; and</u></p> <p><u>c) A single actuation shall de-energize the unit; and</u> <u>d) The blade shall be guarded as required in 31.3; and</u> <u>f) The grip zone and the grips shall be designed and constructed in such a way that the user's hands are kept away from the rotating attachment. The distance between the lowest grip point specified by the manufacturer and the rotating attachment shall not be less than 12 inches (300 mm), as shown in Figure 31.1.</u></p>



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
31.5		For wand-type mixer provided with a whisk or mixer attachment, a guard shall be provided to avoid accidental slipping of the hand into the rotating parts. The dimension of the guard shall be at least 1.2 inches (30 mm) greater than the dimensions of the grip zone specified by the manufacturer in all direction, and it shall be located between the grip zone and the rotating attachment as shown in Figure 31.2.
		<i>New clause added;</i>
31.6		The switch is considered to be recessed or guarded to reduce the risk of unintentional operation if a cylindrical rod, having a diameter of 1.58 inches (40 mm) and a hemispherical end, applied with a force not exceeding 1.1 lbf (5 N) perpendicular to the switch actuator, does not operate the unit.
51	Info	Strain Relief Test
51.2		A 35-pound (15.9-kg) weight is to be suspended on the cord and supported by the machine so that the strain-relief means will be stressed from any angle that the construction of the machine permits. The strain-relief is not acceptable if, at the point of disconnection of the conductors, there is such movement of the cord as to indicate that stress would have resulted on the connections. After the tests, the cord shall not have been longitudinally displaced by more than 2 mm, and the conductors shall not have moved over a distance of more than 1 mm in the terminals, nor shall there be appreciable strain at the connection.
		<i>New section added;</i>
59A		Grounding Continuity Test
		A product shall have a maximum resistance of 0.1 ohm between any part required to be connected to the grounding means and:
59A.1		a) For permanently-connected products, the point on the product at which the power-supply system is to be connected; or b) For cord-connected products, the point to which the grounding conductor of the power-supply cord is connected.
59A.2		The resistance is to be measured using a typical ohmmeter.
59A.3		When an ohmmeter yields results that do not comply with 59A.1, the resistance is to be remeasured by passing an AC or DC current between the two points at which the measurement was recorded. The current is to be equal to the maximum-current-rated branch-circuit overcurrent-protective device that is capable of being employed with the product. The resistance is to be calculated by dividing the voltage drop between the two points by the current.



CLAUSE	VERDICT	COMMENT
	Info	MARKINGS
63	Info	Details
63.4	Info	Cautionary marking
		<i>New clause added;</i>
63.4.8		When an appliance employs a dead metal part that is not grounded as provided in Exception to 16.1.3, the appliance shall be permanently marked with the word "WARNING" and the following or the equivalent: "Certain internal parts are intentionally not grounded and may present a risk of electric shock only during servicing. Service Personnel – Do not contact the following parts while the appliance is energized: (list of ungrounded parts)." The marking shall be located on the outside of the appliance where readily visible before any servicing operation, and at each approach to an ungrounded part where readily visible before or when the part becomes accessible.
65	info	Instructions
		<i>New clause added;</i>
65.6		For a wand-type mixer provided with a Continuous ON feature as specified in the Exception to 31.1 (c), the manufacturer shall provide the recommended grip points in the user instructions.