

STANDARD INFORMATION

Standard Number: ANSI Z245.21

Standard Name: Stationary Compactors – Safety Requirements for Manufacturing and Reconstruction

Standard Edition and Issue Date: 3rd Edition Dated May 1, 2013

Date of Revision: May 1, 2013

Date of Previous Revision of Standard: January 1, 2008

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **January 23, 2019**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- New emergency stop requirements.
- Revised audible alarm requirements.
- Added requirements for intermediary starts.
- Additional requirements for manual.
- New load test requirements.

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

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).



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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.
5.4.3	<i>New clause added;</i>	Safety retract feature requirement.
5.4.4	<i>New clause added;</i>	Plug in control requirement for ground fault protection unless supplied by Class 2 transformer or 30VDC or less source.
5.4.5	<i>New clause added;</i>	Safety related controls that depend on electronics or software to be tested and labeled to UL 508.
5.4.7	<i>New clause added;</i>	New lockable mechanism requirements at discharge end to prevent activation of compaction cycle.
5.4.8	<i>New clause added;</i>	NEC workspace requirement (NFPA 70).
5.6.1	<i>New clause added;</i>	Security switch Requirement to allow operation by only trained and authorized employees.
5.7.1	<i>New clause added;</i>	Emergency maintain stop to be provided at all points of operation and render unit inoperable.
5.7.2	<i>New clause added;</i>	Emergency stop location requirements.



	<i>New clause added;</i>
5.7.3	Emergency stop reset requirement – all start up sequences completed before movement.
	<i>New clause added;</i>
5.7.4	Emergency stop reset requirement – means provided for controlling ram, new requirement- ram must fully retract and stop.
	<i>New clause added;</i>
5.8.1	Added additional requirement for chamber door interlock to prevent movement until conditions of clause 5.9.1 are met.
	<i>New clause added;</i>
5.9.2	Changed figure 6 guard requirement clearance from guard or loading hopper to apply clearance to all guards.
	<i>New clause added;</i>
5.10.1.1b	Added additional requirement to clause 5.10.1 requiring container is securely fastened by locking mechanism or other securement type that mates with securing devices on the compactor.
	<i>New clause added;</i>
5.10.2.4	New requirement – Clearances for side securement lock system.
	<i>New clause added;</i>
5.11.3.1	New height requirement for guarding for automatic container/cart lifting system.
	<i>New clause added;</i>
5.12.1.2	Changed requirement for audible and visible alarm removing 20 second start up delay to activating to sounding alarm prior to motor starting.
	<i>New clause added;</i>
5.12.1.3	Audible alarm requirement.
	<i>New clause added;</i>
5.12.2.3	Automatic start cycle activation requirement.
	<i>New clause added;</i>
5.12.2.4	Automatic start cycle requirement after emergency stop/interlock activation.
	<i>New clause added;</i>
5.12.3.1	Intermediary start requirements.



5.12.3.2	<i>New clause added;</i> Intermediate start requirements for alarms.
5.12.4.1	<i>New clause added;</i> Intermediary starts of hand fed auto start machines.
5.12.4.2	<i>New clause added;</i> Intermediary starts of hand fed auto start machines.
5.13.1	<i>New clause added;</i> Machines that start upon door closure requirements.
5.13.2	<i>New clause added;</i> Additional requirements for Machines that start upon door closure requirements for machines that do not comply with 5.13.1.
6.5.1- 6.5.8.17	Primarily editorial changes for safety signs and markings.
7.2.3.2	<i>New clause added;</i> Additional requirements for manual in regards to lockout tagout procedure.
7.2.3.3	<i>New clause added;</i> Additional requirements for manual in regards to lockout tagout procedure.
7.2.4.1	<i>New clause added;</i> Additional requirements for manual in regards to work performed in confined spaces.
7.2.5	<i>New clause added;</i> New requirement for manufacturers to provide instruction in regards to arc flash and shock safety.
C.2.2	Requirement change for electrical enclosure evaluation from UL 50 to UL 50E.
C.4.1.1.4	<i>New clause added;</i> New requirement for attachment plug, changed from rated for ampacity of unit to 125% of rated ampacity of unit.
C.5.1.1	Change of requirement from equipment for permanent connection to equipment not easily moved.
C.14.1.1	<i>New clause added;</i> Endurance test reference change from UL 20 to UL 508.



	<i>New clause added;</i>
C.14.1.2	New requirement for programmable electronics and software to meet UL 1998 or UL 60730-1A.
	<i>New clause added;</i>
C.14.1.3	New requirement for switches, controls, and interlocks employing solid state devices to UL 991 or UL 60730-1A.
D.1.1	Deleted requirement d) of clause.
	<i>New clause added;</i>
D.3.1.2.2	New maximum nor load test requirement.
	<i>New clause added;</i>
D.3.1.2.2	New maximum nor load test requirement for container/cart lifting system.
D.5.1	Eliminated strain relief test exception for type TP or TPT cord.

CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.