

HOSEDOWN TEST:

Sec. 8.6

Test no.:	1	2
Cat. No.	WOER-T1-C-AC ~~80~~ -01 (with mating inlet)	WOER-T1-C-AC ~~40~~ -01 (with Plug Cap)
Sample no.:	4897050-001	4897051-001

PRECONDITIONING

Is Misalignment test required (see clauses 7.4.2.3, 7.4.2.4, and 8.15 of UL 50E / CSA C22.2 No. 94.2)?

☐ Yes - Conduct Misalignment Test prior to Hosedown Test

☒ No - Continue with Hosedown Test

METHOD

A sample of the test enclosure and its external mechanisms was subjected to a stream of water from a hose having a 25 mm (1 inch) inside diameter nozzle delivering at least 240 L (65 gallons) per minute. The water stream was directed at all joints* of the enclosure from a distance of 3.0 to 3.5 m (10 to 12 feet) and was moved along each joint one time at an approximate rate of 6 mm/s (1/4 inch per second).

With respect to orientation of the nozzle to the enclosure, the nozzle or enclosure shall be moved at different points during the test such that each representative side containing a joint or seam and that is accessible to hose directed water in the enclosure's worst case intended installation and orientation unless otherwise specified in manufacturer's instructions is tested.

HOSEDOWN TEST (CONT'D):

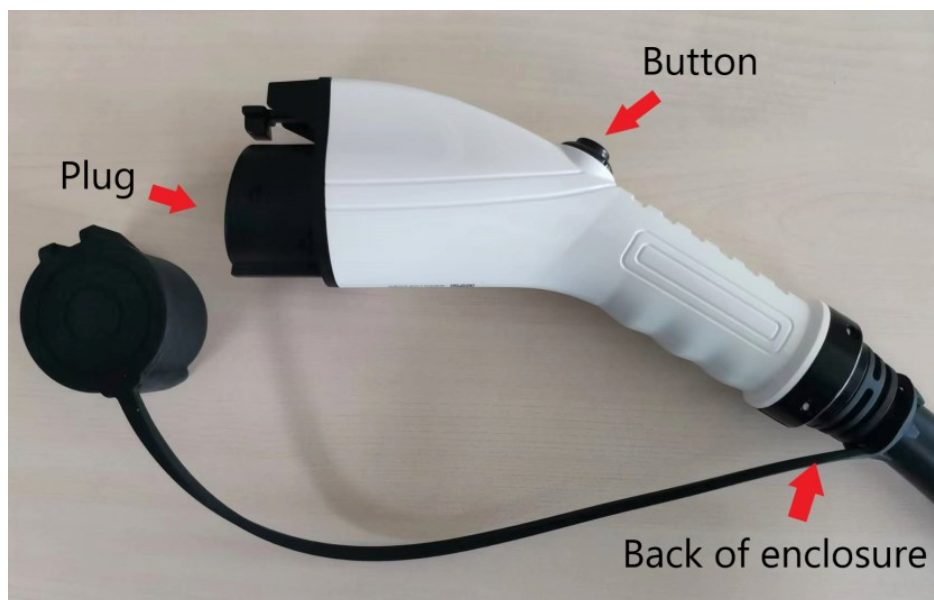
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The test length and test time are as tabulated below:

Test no.: 1, 2				
Joint Description	Dimension	mm (inches)	No. of sides	Test length, mm (inches)
[X] Button	Circumference = Pi * diameter	Pi * 17 = 53.4	1	53.4
[X] Plug	Circumference = Pi * diameter	Pi * 44 = 138.2	1	138.2
[X] At back of Enclosure	Circumference = Pi * diameter	Pi * 34 = 106.8	1	106.8
(Note: Expand table as needed.)				
Total test length, mm (inches)				298.4
Test time [seconds]:				50 s
(Total test length in mm) / (6 mm/s) = test time in seconds				

(Note: Duplicate Table as needed.)

[] Conduit was installed to equalize internal and external pressure but it did not serve as a drain.



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HOSEDOWN TEST (CONT'D):

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~~_____ The tightening torque used for screws and screw type fasteners of doors and covers, if not specified by the manufacturer and marked per UL 50E, Sec.9.8, shall be in accordance with the following table (as per UL 50E, Sec.8.1.3):~~

Screw	Intended Tool	Torque
No. 6	Screwdriver	1.36 N•m (12 lbf-in)
No. 8	Screwdriver	2.26 N•m (20 lbf-in)
Other than No. 6 or No. 8	Screwdriver	3.96 N•m (35 lbf-in)
Unslotted, bolthead screw, direct bearing or securing a clamp	Wrench or screwdriver	18.1 N•m (160 lbf-in)

~~_____ Required and measured tightening torque for screws and screw type fasteners of doors and covers:~~

Location:	Required (Nm) (ft lb):	According to Table or Mfg. Spec.	Measured by LAB (Nm) (ft lb):
		☐ Table ☐ Mfg. Spec.	

~~(Note: Expand table as needed.)~~

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Remark: At the end of the test, before opening the enclosure or cavity for investigation of any water entry, remaining water should be carefully removed from the exterior part, e. g. by use of a paper towel or rag. Special care should be taken to avoid forcing water in or sucking water out of the interior, if feasible also the device should not be moved.

RESULTS

Test no.	Sample no.	Enclosure mounting orientation	Test duration (s)	Water inside enclosure?	Location(s) of water entry	Amount of water in enclosure cavity
1 (Model WOER-T1-C-AC80-01)	4897050-001	☐ free standing ☒ vertical / wall mounted ☐ horizontal / laying on back ☐ other (specify):	50 s	☐ Yes ☒ No	-	-
2 (Model WOER-T1-C-AC40-01)	4897051-001	☒ vertical / wall mounted	50 s	☐ Yes ☒ No	-	-
(Note: Expand table as needed.)						
Comment:						

☒ The results of test no(s). 1,2 were considered acceptable because no water was observed inside the enclosure cavity at the conclusion of the test.

☐ The results of test no(s). _____ was / were not considered acceptable because water was found inside the enclosure cavity at the conclusion of the test.

Lab Conditions:	22.7	°C	52.0	%RH	Date:	2022-04-29
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