

IEC 60335-2-6 Figure 101 Test Vessels for Hob Elements

Aluminium vessel set for normal-operation testing of non-induction hob elements



APPLICABLE STANDARD	IEC 60335-2-6:2024
STANDARD REFERENCE	3.1.9.101, Table 101, Figure 101
TEST OBJECT	Hob elements other than induction and induction-wok elements
TEST MEDIUM	Cold water during normal operation
VESSEL MATERIAL	Unpolished commercial-quality aluminium

Product Overview

The KINGPO Figure 101 vessel set provides a standardized thermal load for normal-operation tests of electric hob elements under IEC 60335-2-6. For non-induction hob elements, the method uses vessels containing cold water; the vessel bottom diameter is selected to correspond approximately to the cooking-zone diameter and the vessel is positioned centrally on the zone.

This datasheet is specifically for **Figure 101**. IEC 60335-2-6 uses a different vessel construction for **Figure 102 induction hob elements**; the two configurations are not interchangeable.

Why this test vessel is required

The vessel provides a defined thermal load so heating, temperature-rise and related safety tests can be performed under standardized normal-operation conditions.

Typical users

Household-appliance manufacturers, third-party laboratories, certification laboratories, R&D; departments and quality-control teams testing stationary cooking appliances.

Configuration Notes

Typical pictured configuration	Five nested vessels covering the standard cooking-zone ranges shown on page 2
Lid requirement	The normal-operation method specifies a lid. Confirm whether lids are required in the supply scope before quotation.
Non-circular cooking zones	Confirm the zone shape and dimensions; vessel selection differs from the normal circular-zone selection method.
Project confirmation	Provide the applicable standard edition, cooking-zone diameter(s), hob type and required supply configuration.

Technical Data - Figure 101 Vessel Set

Reference edition: IEC 60335-2-6:2024. Dimensions summarize Figure 101 and the associated liquid quantities from Table 101. Confirm the applicable edition and national deviations before quotation.

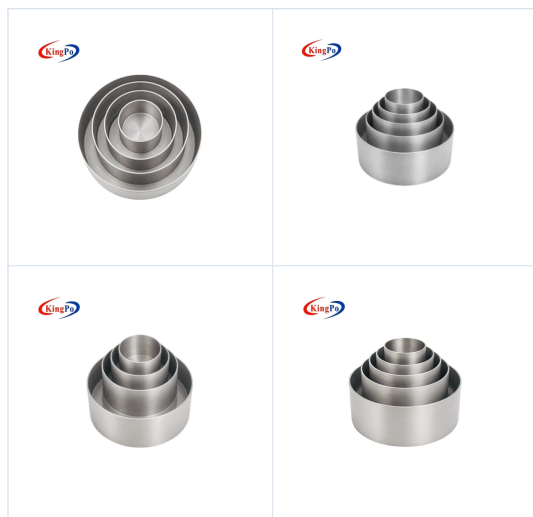
Cooking-zone diameter	Approx. vessel diameter a	Approx. vessel height b	Base thickness c	Water quantity*
≤ 110 mm	110 mm	140 mm	8 mm	0.6 L
> 110 to ≤ 145 mm	145 mm	140 mm	8 mm	1.0 L
> 145 to ≤ 180 mm	180 mm	140 mm	9 mm	1.5 L
> 180 to ≤ 220 mm	220 mm	120 mm	10 mm	2.0 L
> 220 to ≤ 300 mm	300 mm	100 mm	10 mm	3.0 L

* For Figure 101 normal-operation testing of non-induction hob elements, the liquid is cold water. Table 101 uses the broader heading 'quantity of water or oil' because the standard also addresses induction-hob testing.

Additional Standard-Related Requirements

Material	Unpolished commercial-quality aluminium
Wall thickness	2 mm (Figure 101 drawing)
Base geometry	Flat bottom; maximum base concavity ≤ 0.05 mm; base not convex
Test positioning	Vessel positioned centrally on the cooking zone
Selection principle	For circular zones, vessel bottom diameter is approximately equal to the cooking-zone diameter
Operating medium	Cold water; water is maintained during boiling under the normal-operation method

Product Views



Technical Inquiry & Quotation Information

Applicable standard	Standard number and edition
Relevant requirement	Figure 101 / applicable project clause
Test object	Type of hob or cooking appliance
Cooking zone	Diameter, shape and relevant dimensions
Supply scope	Complete vessel set, selected sizes and whether lids are required

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Technical reference: IEC 60335-2-6:2024, 3.1.9.101, Table 101 and Figure 101. This datasheet summarizes selected requirements for product selection and does not replace the applicable IEC standard. Final dimensions, supply scope and documentation requirements should be confirmed before quotation.