

Explication of warning symbols

Warning symbols

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Danger! Indicates an (extremely) hazardous situation, which, if not avoided, will result in death, serious injury.
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Warning! Indicates a hazardous situation, which, if not avoided, can result in death, serious injury.
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Caution! Indicates a potentially hazardous situation, which, if not avoided, can result in injury.
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Notice! Indicates practices which, if not avoided, can result in equipment damage.

General Symbols

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Position number
Indicates device components relevant to actions.
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Wrong
Indicates the incorrect execution of an action step.
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Correct / result
Indicates the correct execution or the result of an action step.
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Note
Indicates steps of actions that require particular attention.

Safety instructions

General information

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Read the operating instructions in its entirety before using the device and follow the safety instructions. If this accessory is used with another device, observe also its operating instructions.
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Keep the operating instructions in a place where it can be accessed by everyone.
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Ensure that only trained staff work with the device.
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Follow the safety instructions, guidelines, occupational health and safety and accident prevention regulations.

Device design

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Notice!
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Keep the adhesive surface free of dust.
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Check the adhesive force of the adhesive pad after each removal and replacement.
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Clean the adhesive pad of the stirring attachment with a surfactant-containing water moistened, lint-free cloth.
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Protect the device and accessories from bumps and impacts.
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Check the device and accessories for damage before each use. Do not use damaged components.

Working with the device

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Danger!
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To avoid body injury and property damage, observe the relevant safety and accident prevention measures when processing hazardous materials.
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Warning!
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Only process media that will not react dangerously to the extra energy produced through processing. This also applies to any extra energy produced in other ways, e.g. through light irradiation.
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Beware of hazards due to:
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glass breakage as a result of mechanical shaking power,
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incorrect container size,
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overfilling of media,
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unsafe condition of container.
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When handling hazardous substances or mixtures of substances which are toxic or are contaminated with pathogenic micro-organisms, the user should take appropriate precautions. Observe the national regulations, the biosafety level of your laboratory, the material safety data sheets.
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For germs or biological material or risk group II or higher, please observe the “Laboratory Biosafety Manual” issued by the WorldHealth Organization).

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Caution!
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Wear your personal protective equipment in accordance with the hazard category of the media to be processed. There may be a risk from:
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splashing and evaporation of liquids,
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ejection of parts,
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release of toxic or combustible gases.

Accessories

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Safe operation is guaranteed only with the use of original IKA accessories.
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Observe the operating instructions of the accessories.

Maintenance

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The device may only be opened by qualified and IKA approved experts.

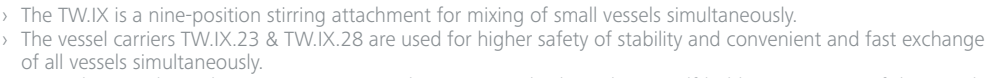
Disposal instructions

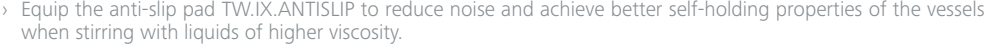
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The device, accessories and packaging must be disposed of in accordance with local and national regulations.

Intended use

Use

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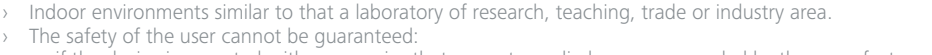


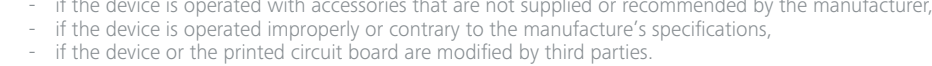
The vessel carriers TW.IX.23 & TW.IX.28 are used for higher safety of stability and convenient and fast exchange of all vessels simultaneously.



Equip the anti-slip pad TW.IX.ANTISLIP to reduce noise and achieve better self-holding properties of the vessels when stirring with liquids of higher viscosity.

Area of use

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Indoor environments similar to that a laboratory of research, teaching, trade or industry area.
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The safety of the user cannot be guaranteed:
 - if the device is operated with accessories that are not supplied or recommended by the manufacturer,
 - if the device is operated improperly or contrary to the manufacture's specifications,
 - if the device or the printed circuit board are modified by third parties.

Unpacking

Unpacking

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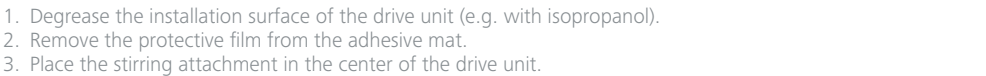
Unpack the device carefully. Any damage should immediately be reported to the carrier (mail, rail or freight forwarding company).

Scope of delivery

TW.IX	
1	TW.IX
2	IKAFLON 15 round (5 pcs.), 2x
4	Operating instructions

TW.IX.23/28	
1	TW.IX.23/28
3	TW.IX.ANTISLIP
4	Operating instructions

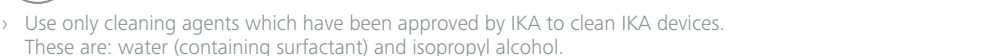
Assembly

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1. Degrease the installation surface of the drive unit (e.g. with isopropanol).
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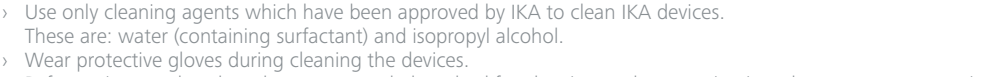
2. Remove the protective film from the adhesive mat.
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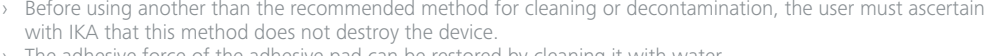
3. Place the stirring attachment in the center of the drive unit.
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4. Remove the stirring attachment by rotating it around its own axis. This creates shear forces that detach the attachment from the drive unit.
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5. Place the anti-slip mat at an even distance from the outer edge of the vessel carrier.

Cleaning

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Use only cleaning agents which have been approved by IKA to clean IKA devices. These are: water (containing surfactant) and isopropyl alcohol.
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Wear protective gloves during cleaning the devices.
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Before using another than the recommended method for cleaning or decontamination, the user must ascertain with IKA that this method does not destroy the device.
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The adhesive force of the adhesive pad can be restored by cleaning it with water.

Accessories

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For accessories see www.ika.com.

Technical data

TW.IX	
Number of stirring positions	9 pcs
Stirring position distance	30 mm
Stirring quantity min. per stirring position (H ₂ O)	8 ml
Stirring quantity max. per stirring position (H ₂ O)	60 ml
Vessel diameter min.	12 mm
Vessel diameter max.	27.5 mm
Dimensions (W x D x H)	95 x 95 x 21 mm
Weight	0.37 kg

TW.IX.23/28	
Number of stirring positions	9 pcs
Stirring position distance	30 mm
Vessel diameter min.	12 mm
Vessel diameter max.	23/27.5 mm
Dimensions (W x D x H)	99 x 101 x 47.5 mm
Weight	0.2 kg

› Subject to technical changes!

