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Kospel EPO2-3 AMICUS

Kospel EPO2-3 AMICUS Instantaneous Water Heater User Manual

Model: EPO2-3 AMICUS | Brand: Kospel

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kospel EPO2-3 AMICUS Instantaneous Water Heater. Please read this manual thoroughly before installation and use, and keep it for future reference. This instantaneous water heater is designed to provide hot water for a single tap or multiple taps, depending on the model variant and power output.



Figure 1: Front view of the Kospel EPO2-3 AMICUS Instantaneous Water Heater.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the appliance:

- Installation must be performed by a qualified electrician and plumber in accordance with local regulations and standards.
- Ensure the power supply matches the specifications of the heater (230V).
- Do not operate the heater if it is damaged or malfunctioning.
- Do not block the water outlet or tamper with the pressure relief valve.

- Disconnect power before performing any maintenance or cleaning.
- Keep flammable materials away from the heater.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. INSTALLATION GUIDE

The Kospel EPO2-3 AMICUS is designed for undersink installation. Ensure adequate space and proper ventilation. Refer to the diagram below for connection points and dimensions.

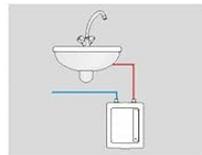
Scaldacqua
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EPO2 Amicus

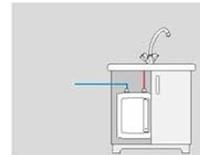
Scaldabagno
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affondare



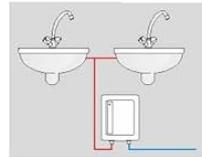
Applicazione



da 3,5kW



da 5,5kW



a 4,4kW

* Permette di utilizzare un rubinetto alla volta



a 5,5kW

Permette di utilizzare un rubinetto alla volta
Uso raccomandato di una multa soffione flusso.

Vantaggi più importanti

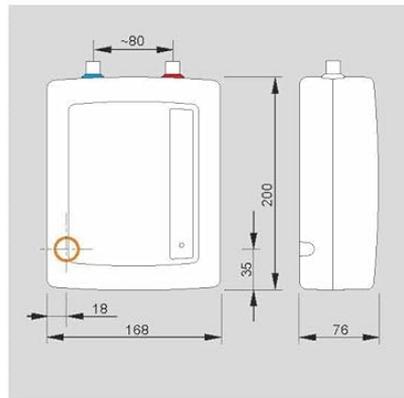


Montaggio universale
Può essere montato in qualsiasi posizione, sopra o sotto il lavandino con collegamenti dalla parte superiore o inferiore.



Incluso nel set **sottile flusso spruzzo testa** garantisce un utilizzo confortevole e risparmio di acqua ed energia fino al 50%.

Dimensioni



La pressione dell'acqua di alimentazione	0,12 - 0,6 MPa
Ingresso ed uscita sezione	3/8" filettatura esterna
Classe energetica ERP	A

Dati tecnici

Tipo	Potenza / tensione nominale	Corrente nominale (A)	Sezione min. cavi di collegamento (mm ²)	Efficienza ($\Delta t=30^{\circ}$) (l/min.)
EPO2-3 AMICUS	3,5 kW / 230V~	15,2	3 x 1,5	1,7
EPO2-4 AMICUS	4,4 kW / 230V~	19,1	3 x 2,5	2,1
EPO2-5 AMICUS	5,5 kW / 230V~	23,9	3 x 2,5	2,7
EPO2-6 AMICUS	6,0 kW / 230V~	26,1	3 x 4	2,9

Tutti i dati tecnici si basa su standard dei paesi dell'Europa centrale. Tuttavia, Kospel S.A. è completamente flessibile registrare suoi apparecchi ad altri standard.

Figure 2: Installation diagram and dimensions for the Kospel EPO2-3 AMICUS.

3.1. Mounting

- Choose a suitable location, preferably directly under the sink, ensuring easy access for maintenance.
- Mount the heater vertically using appropriate fasteners, ensuring it is level and securely fixed to a solid surface.
- The unit can be mounted in any position, above or below the tap, with connections from the top or bottom.

3.2. Water Connection

- Connect the cold water supply to the blue marked inlet (GZ 3/8").
- Connect the hot water outlet to the red marked outlet (GZ 3/8").
- Ensure all connections are watertight. The distance between the branches is approximately 80 mm.
- The minimum water pressure required is 1.2 bar, with a maximum of 6.0 bar.
- Before connecting to the heater, flush the water pipes to remove any debris.

3.3. Electrical Connection

- The heater requires a 230V power supply.
- Connect the heater to a dedicated electrical circuit with appropriate overcurrent protection (e.g., a circuit breaker).
- The minimum section of cables required is 3 x 1.5 mm².
- Ensure proper grounding.
- All electrical work must comply with local electrical codes.

4. OPERATION

4.1. First Use

1. Before switching on the power, open the hot water tap to allow water to flow through the heater and expel any air from the system.
2. Once water flows steadily from the tap, close the tap.
3. Switch on the electrical power to the heater. The indicator light on the front of the unit will illuminate when the heater is active.

4.2. Daily Use

- To obtain hot water, simply open the hot water tap. The heater will automatically activate when water flows through it.
- The water temperature is regulated by the flow rate. A lower flow rate will result in hotter water, while a higher flow rate will result in cooler water.
- The EPO2-3 AMICUS model provides approximately 1.7 liters per minute of hot water at a 30°C temperature rise.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater.

- **Cleaning:** Periodically wipe the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Descaling:** In areas with hard water, mineral deposits can accumulate inside the heater. It is recommended to have the unit descaled by a qualified technician annually or as needed.
- **Water Filter:** If your water supply has a filter, check and clean it regularly according to the filter manufacturer's instructions.
- **Inspection:** Periodically check for any signs of leaks, corrosion, or damage to the power cord and water connections. If any issues are found, disconnect power and contact a qualified technician.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No hot water / Heater not activating	No power supply Insufficient water flow Air in the system	Check circuit breaker/fuse Ensure water pressure is adequate (1.2-6.0 bar) Open hot water tap to purge air
Water not hot enough	High water flow rate Low incoming water temperature Mineral buildup	Reduce water flow at the tap This is an instantaneous heater, temperature rise is fixed Contact a qualified technician for descaling
Water leakage	Loose connections Damaged seals/pipes	Tighten water connections Contact a qualified technician for repair
Unusual noise	Air in the system Mineral buildup	Purge air by opening hot water tap Contact a qualified technician for descaling

If the problem persists after attempting these solutions, please contact a qualified service technician.

7. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Kospel EPO2-3 AMICUS Instantaneous Water Heater:

Feature	Specification
Model	EPO2-3 AMICUS
Rated Power	3.5 kW
Rated Voltage	230 V
Nominal Socket Outlet Current	15.2 A
Minimum Cable Section	3 x 1.5 mm ²
Hot Water Output (at 30°C rise)	1.7 l/min
Water Pressure (Min-Max)	1.2 - 6.0 bar
Dimensions (H x W x D)	200 x 168 x 76 mm
Item Weight	1.2 kg
Protection Level	IP 24
Water Connection	GZ 3/8"
Distance between branches	~ 80 mm
ERP Energy Class	A

Technische Daten

Durchlauferhitzer		EPO2-3	EPO2-4	EPO2-5	EPO2-6
Anschlussleistung	kW	3,5	4,4	5,5	6,0
Nennspannung		230V~			
Bemessungsstrom	A	15,2	19,1	23,9	26,1
Mindestfließdruck	MPa	0,12 - 0,6			
Einschaltfließdruck	l/min	1,2	1,6	2,0	
Warmwasserleistung (bei $\Delta t = 30^\circ\text{C}$)	l/min	1,7	2,1	2,6	2,9
Abmessungen (Höhe x Breite x Tiefe)	mm	225 x 170 x 75			
Gewicht	kg	1,2			
Minimaler Leitungsquerschnitt	mm ²	3 x 1,5	3 x 2,5		3 x 4
Maximale zulässige Impedanz	Ω		0,34	0,31	0,29
Minimaler elektrischer Widerstand bei Temperatur 15 °C	Ωcm	1100			
Wasserleitungen		G 3/8" (Stützenabstand 80mm)			

Technical data

Water heater		EPO2-3	EPO2-4	EPO2-5	EPO2-6
Rated power	kW	3,5	4,4	5,5	6,0
Rated voltage		230V~			
Power consumption	A	15,2	19,1	23,9	26,1
Supply water pressure	MPa	0,12 - 0,6			
Operating point	l/min	1,2	1,6	2,0	
Efficiency (at $\Delta t = 30^\circ\text{C}$)	l/min	1,7	2,1	2,6	2,9
Overall dimension (height x width x depth)	mm	225 x 170 x 75			
Weight	kg	1,2			
Min. connecting wires section	mm ²	3 x 1,5	3 x 2,5		3 x 4
The maximum allowed network impedance	Ω		0,34	0,31	0,29
Min. resistivity of water at temperature 15 °C	Ωcm	1100			
Water supply pipe section		G 3/8" (distance between inlet and outlet 80mm)			

Données techniques

Chauffe-eau		EPO2-3	EPO2-4	EPO2-5	EPO2-6
Puissance nominale	kW	3,5	4,4	5,5	6,0
Alimentation		230V~			
Ampérage	A	15,2	19,1	23,9	26,1
Pression d'alimentation en eau	bar	1,2 - 6,0			
Point d'enclenchement du chauffage	l/min	1,2	1,6	2,0	
Débit (avec augmentation de la temp. de 30°C)	l/min	1,7	2,1	2,6	2,9
Dimensions (hauteur x largeur x profondeur)	mm	225 x 170 x 75			
Poids	kg	1,2			
Min. section du câble d'alimentation électrique	mm ²	3 x 1,5	3 x 2,5		3 x 4
Impédance maximale tolérée par le réseau électrique	Ω		0,34	0,31	0,29
Résistivité minimale de l'eau à 15 °C	Ωcm	1100			
Section de tuyau		G 3/8" (écart des tubulures 80mm)			

Datos técnicos

Calentador de agua		EPO2-3	EPO2-4	EPO2-5	EPO2-6
Potencia nominal	kW	3,5	4,4	5,5	6,0
Tensión nominal		230V~			
Consumo de energía	A	15,2	19,1	23,9	26,1
Presión de suministro de agua	MPa	0,12 - 0,6			
Punto de operación	l/min	1,2	1,6	2,0	
Eficiencia ($\Delta t = 30^\circ\text{C}$)	l/min	1,7	2,1	2,6	2,9
Dimensión total (altura x ancho x profundidad)	mm	225 x 170 x 75			
Peso	kg	1,2			
Sección de cables de conexión mínima	mm ²	3 x 1,5	3 x 2,5		3 x 4
La impedancia de red máxima permitida	Ω		0,34	0,31	0,29
Resistividad mín. del agua a una temperatura de 15 °C	Ωcm	1100			
Sección de tubería de suministro de agua		G 3/8" (distancia entre entrada y salida 80mm)			

Dati tecnici

Scaldabagno		EPO2-3	EPO2-4	EPO2-5	EPO2-6
Potenza nominale	kW	3,5	4,4	5,5	6,0
Tensione nominale		230V~			
Consumo di energia	A	15,2	19,1	23,9	26,1
Pressione dell'acqua di alimentazione	MPa	0,12 - 0,6			
Punto di esercizio	l/min	1,2	1,6	2,0	
Efficienza ($\Delta t = 30^\circ\text{C}$)	l/min	1,7	2,1	2,6	2,9
Dimensione totale (altezza x larghezza x profondità)	mm	225 x 170 x 75			
Peso	kg	1,2			
Sezione minima cavi di collegamento	mm ²	3 x 1,5	3 x 2,5		3 x 4
L'impedenza di rete massima consentita	Ω		0,34	0,31	0,29
Resistenza min. dell'acqua a temperatura di 15 °C	Ωcm	1100			
Sezione del tubo di alimentazione dell'acqua		G 3/8" (distanza tra ingresso e uscita 80mm)			

Figure 3: Detailed technical data for Kospel EPO2-3 AMICUS and other models.

8. WARRANTY AND SUPPORT

Kospel provides a manufacturer's warranty for this product against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact your local Kospel distributor or authorized service center. Contact information can typically be found on the Kospel official website or through your retailer.