

**b o r pan**<sup>®</sup>

*sustainable energy solutions for a better world*



**HEAT INTERFACE UNIT**



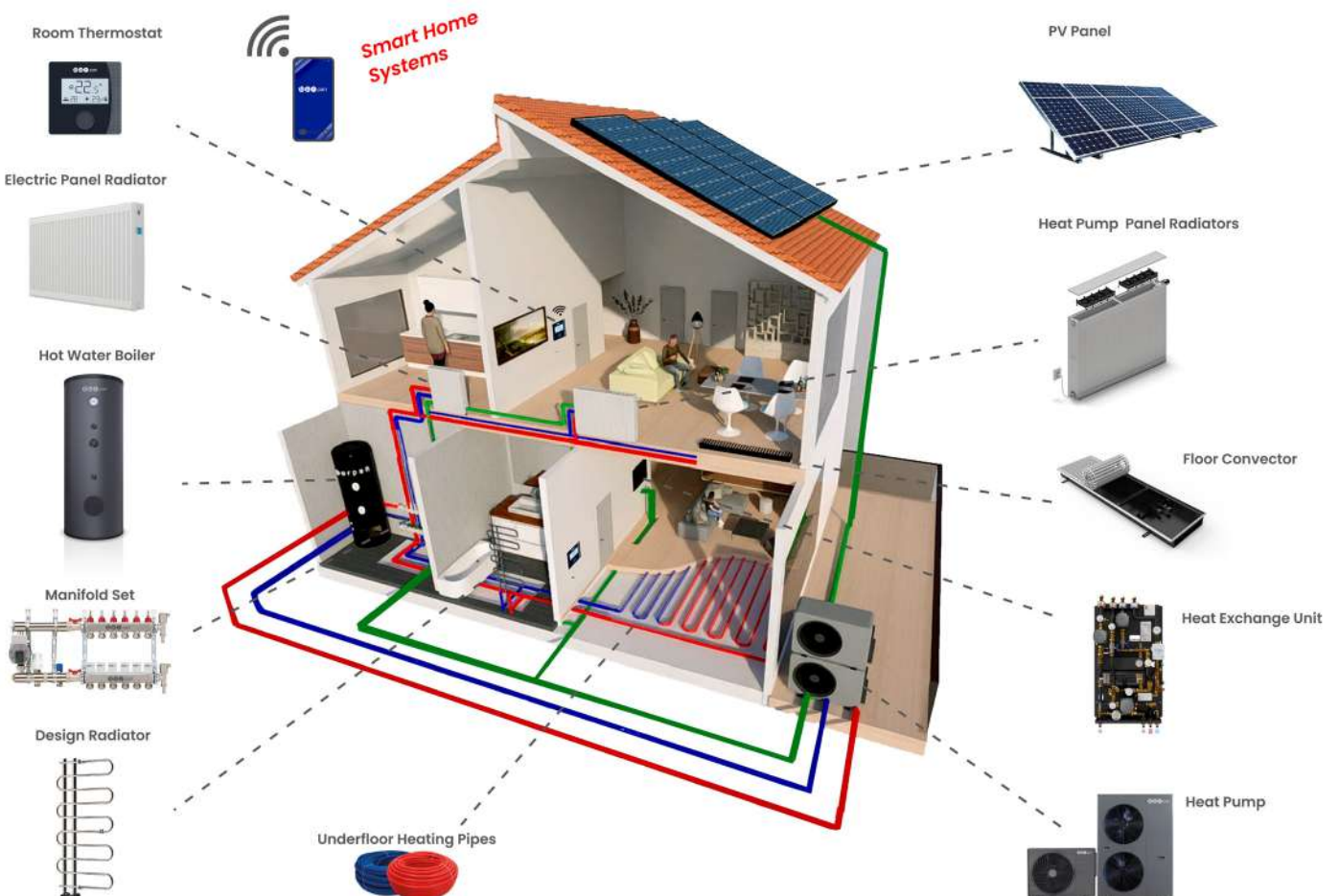
# Sustainable energy solutions for a better world

BORPAN, a brand of BEDISA Inc. Co., is one of the Türkiye's leading manufacturers. With the latest production technology available in the world, our plant covers 42.500 m<sup>2</sup> indoor area on a 80.000 m<sup>2</sup> outdoor area located in Aksaray Organized Industrial Zone.

BORPAN specializes in the following HVAC products;

- Hydronic, Electric and Heat Pump Panel Radiators
- Water Heaters and Storage Tanks
- Underfloor Heating Systems
- Room Thermostat and Accessories
- Heat Interface Units
- Heat Pump
- PV Panels
- Floor Convectors
- Towel & Design Radiators
- Valves and Fittings

BORPAN exports to over 60 countries across 6 continents and maintains an extensive dealer network across many throughout Türkiye.







## BKNH01 INDIRECT DOMESTIC HOT WATER HEAT INTERFACE UNIT

The BKNH01 series Heat Interface Units offer the most space-efficient solution, functioning within district heating networks that demand elevated static pressures and high thermal medium temperatures. The district heating and domestic hot water circuits remain entirely independent, ensuring no blending or contamination occurs.

BKNH01 is advantageous for both designing and upgrading domestic hot water systems in renovated apartment buildings while also simplifying maintenance operations within individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	: G x D x Y (mm) (*)
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G $\frac{3}{4}$ " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.





## BKNH02 DIRECT SPACE HEATING HEAT INTERFACE UNIT

The BKNH02 series Heat Interface Units provide the most space-saving solution, operating within district heating systems that require moderate static pressures and temperatures.

The district heating and space heating circuits are connected in a controlled manner.

BKNH02 is ideal for both designing and upgrading heating systems in renovated apartment buildings while also streamlining maintenance processes in individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	: G x D x Y (mm) (*)
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G $\frac{3}{4}$ " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.





## BKNH03 INDIRECT SPACE HEATING HEAT INTERFACE UNIT

The BKNH03 series Heat Interface Units offer the most space-efficient solution, functioning within district heating systems that demand high static pressures and temperatures.

The district heating and space heating circuits are entirely independent, preventing any mixing or contamination. BKNH013 is ideal for both designing and upgrading heating systems in renovated apartment buildings while also simplifying maintenance operations within individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	: G x D x Y (mm) (*)
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G <sup>3</sup> / <sub>4</sub> " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.





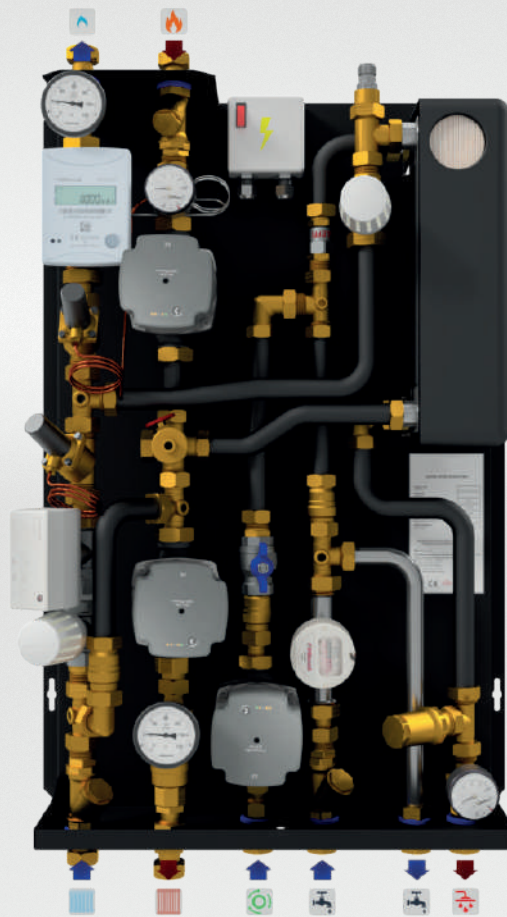
## BKNH04 INDIRECT DOMESTIC HOT WATER DIRECT SPACE HEATING HEAT INTERFACE UNIT

The BKNH04 series Heat Interface Units provide a highly compact solution, operating within district heating systems that require moderate static pressures and temperatures. The district heating and space heating circuits are connected in a controlled manner, while the domestic hot water (DHW) secondary circuits remain completely independent, ensuring no mixing or contamination. BKNH04 is ideal for both designing and upgrading heating and domestic hot water systems in renovated apartment buildings while also streamlining maintenance operations in individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	
<b>Underfloor heating</b>	: 450 x 540 x 165 mm
<b>Radiator heating</b>	: 450 x 400 x 125 mm
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G $\frac{3}{4}$ " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.





## BKNH05 INDIRECT DOMESTIC HOT WATER DIRECT SPACE HEATING HEAT INTERFACE UNIT

The BKNH05 series Heat Interface Units offer a highly compact solution, operating within district heating systems that require moderate static pressures and temperatures.

The district heating and space heating circuits are connected in a controlled manner, while the domestic hot water (DHW) secondary circuits remain fully independent, preventing any mixing or contamination.

BKNH05 is ideal for both designing and upgrading heating and domestic hot water systems in renovated apartment buildings while also simplifying maintenance operations within individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	: G x D x Y (mm) (**)
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G $\frac{3}{4}$ " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.





## BKNH06 INDIRECT DOMESTIC HOT WATER INDIRECT SPACE HEATING HEAT INTERFACE UNIT

The BKNH06 series Heat Interface Units provide a highly compact solution, operating within district heating systems that require high static pressures and thermal medium temperatures. The domestic hot water and space heating circuits are entirely independent of the district heating circuit, ensuring no mixing or contamination.

BKNH06 is ideal for both designing and upgrading heating and domestic hot water systems in renovated apartment buildings while also streamlining maintenance operations within individual residences.

<b>Heating System</b>	: Two Pipe Flow
<b>Mounting</b>	: Wall Mounted
<b>Dimensions</b>	: G x D x Y (mm) (**)
<b>Casing</b>	: Painted Metal Sheet
<b>Plate Heat Exchanger</b>	: Stainless Steel, Copper Brazed
<b>Pipework</b>	: Stainless Steel Pipe With Brass Fittings
<b>Insulation</b>	: EPP, ERF
<b>All External Connections</b>	: G $\frac{3}{4}$ " Coupling

(\*) Dimensions will be alter depend on used components and co nnection preferences.



## Why choose HEAT INTERFACE UNITS (HIU)?

HIUs are typically installed in apartment complexes and district heating schemes with a central heating plant or small private developments

The HIU's role is to offer a reliable and efficient way of controlling the heating and producing hot water in each flat, while saving energy and heating costs



### Lower investment costs

No need to connect individual boilers. This alone is a significant cost saving for developers that will also result in future savings due to reduced service and maintenance costs.



### Ease of installation

No gas supply required  
No individual flues needed  
Compatible with any boiler system



### Energy saving



Heat meters and SMART controls can be fitted to give residents awareness and control over their energy use, promoting energy savings of up to £250 a year

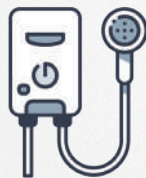
### Ease of integration with renewable energy

By connecting with central energy plant, HIUs allow easy integration with renewable energy systems such as CHP, solar or heat pumps.



### Instantaneous hot water production

High flow rates at 53°C ensure a secure hot water provision



### Simple maintenance

Easy access to all components for low maintenance costs



### E-billing capable

Ideal for social housing solutions











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