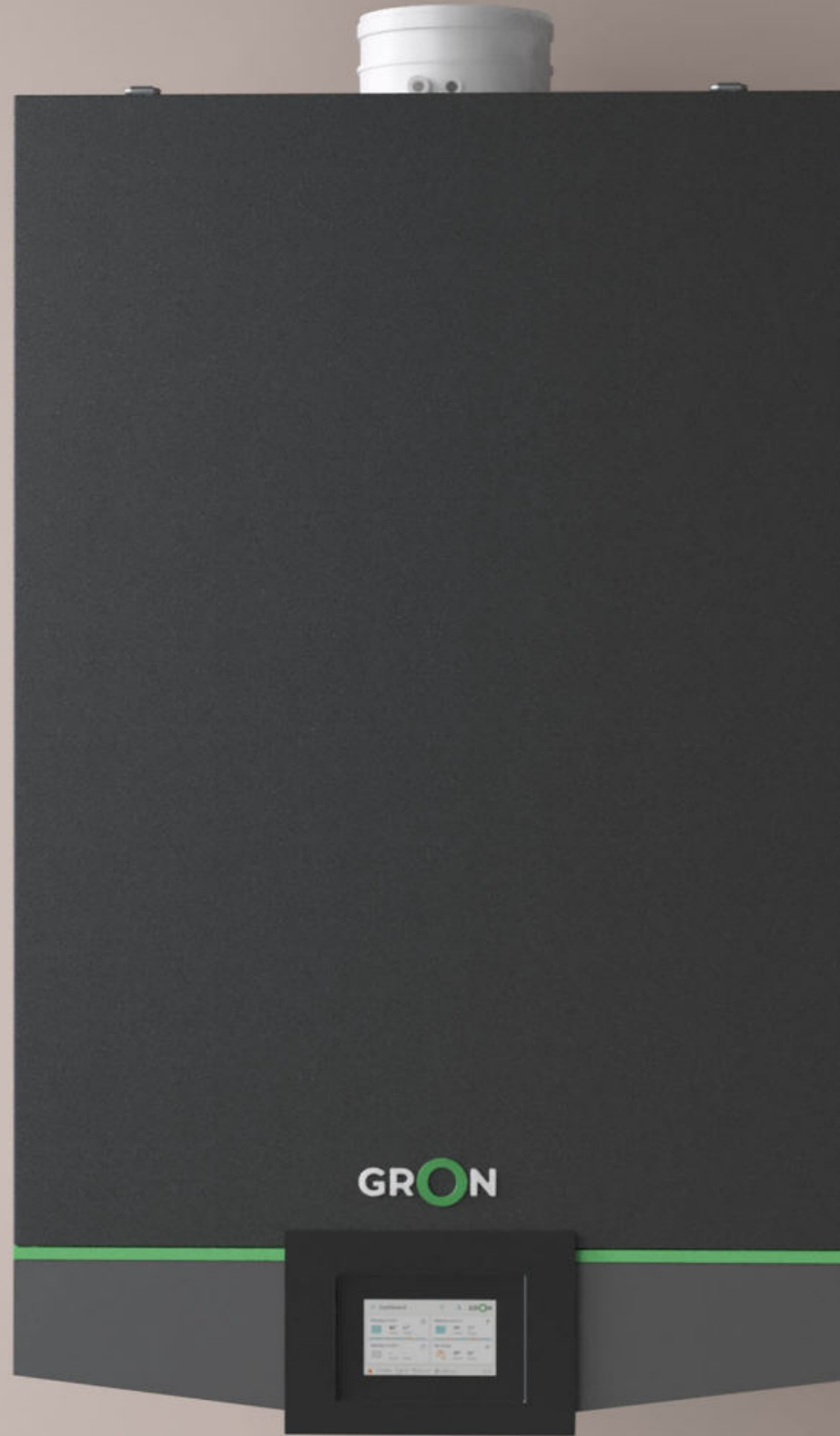


Wall Mounted Gas Fuel Condensing Appliances

## X-130 and X-150 Series



gron.com.tr

APPROVED BY  
INTERNATIONALLY  
ACCREDITED  
LABORATORIE

**THE MOST  
EFFICIENT**

Wall Mounted Stainless Exchanger

**GRON** is not only an appliance manufacturer but also one of the few exchanger manufacturers in the world. The respective exchanger is the combustion tank of the appliance and the most important part. This product has been developed following 3 years of R&D and patented by our company. So, preferring a **GRON** product is not only buying a heating device but also guaranteeing long term robustness and reliable comfort thanks to its original exchanger design.

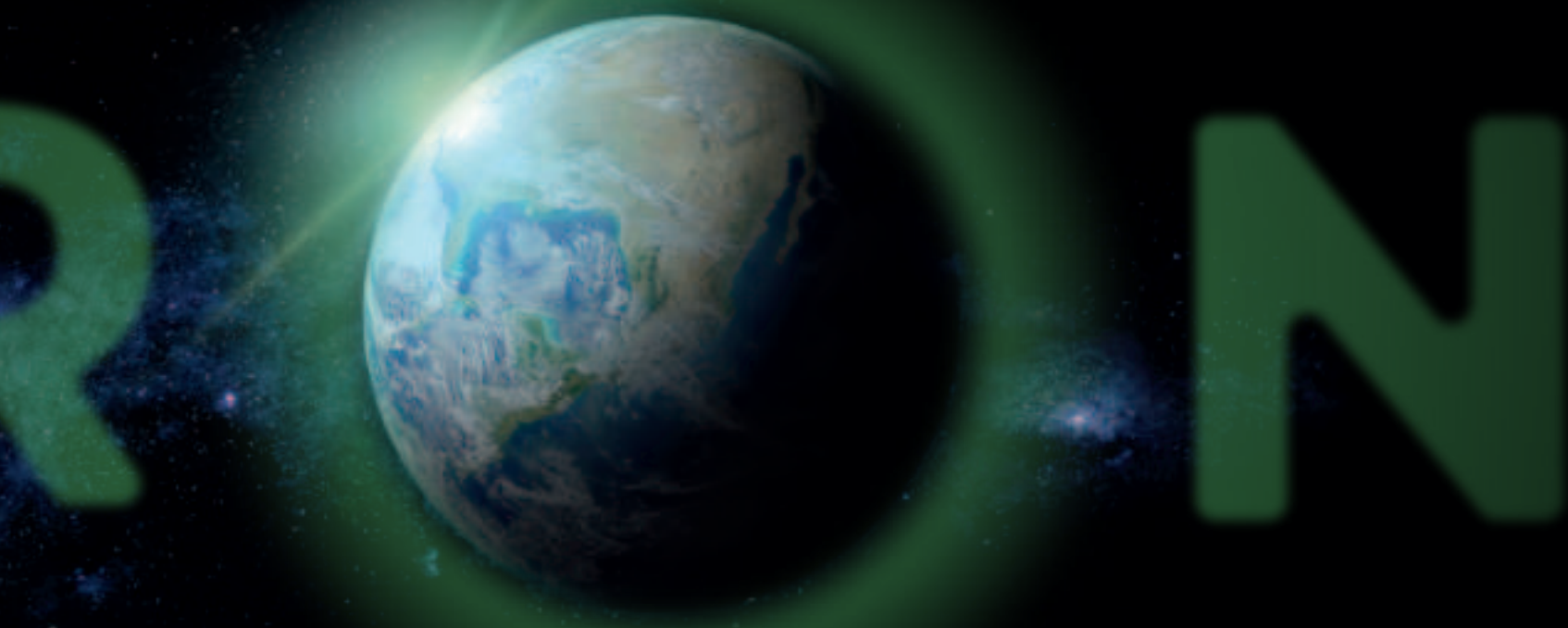
**GRON**  
Hasan Hüseyin ERASLAN



For a **greener world...**



Video Advertisement



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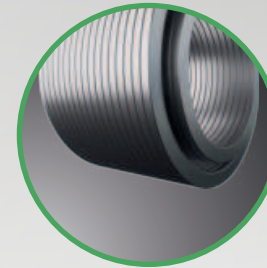
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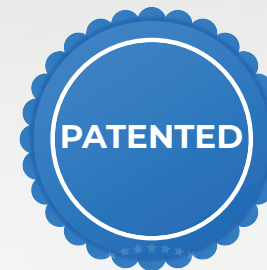
4,3" Touch Screen

## GRON'S OVERVIEW



### Stainless Exchanger

If longer service life is expected from a high efficiency machine, it is essential to have a stainless exchanger. Stainless exchangers are more resilient compared to aluminum exchangers while offering high efficiency.



### Original Exchanger Design

A patented original exchanger design by Turkish engineers.



### The Most Efficient Exchanger

The most efficient domestic wall type stainless exchanger approved by Internationally Accredited Laboratories

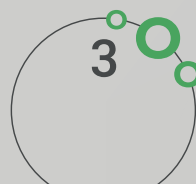
### Other Screen Options



Key Screen



7" Touch Screen







### 3 Year Warranty

Your appliance is under 3 year warranty from the date of purchase on the terms of warranty.



### 5 Year Warranty

When you buy your appliance with the product kit, your appliance is under 5 year warranty on the terms of warranty (As described on Page 9, the product kit includes all mounting and installation components.)



### Leading Efficiency at Maximum Power

Our appliances provide efficiency up to 109.96% as approved by internationally accredited laboratories within the normal operating range, while up to 106.2% as the leading efficiency in the sector while operating at the maximum power.



### Six Star Emission

The product's NOx class is 6 so it has low carbon emission

**i** For detailed technical information about our products, please see the following brochures on our web site.

- Technical Information Brochure
- Installation Manual
- Commissioning, Operating and Maintenance Manual



### Cascade Installation Up To 15x150 = 2250kW Power

15 boilers and up to maximum 2250kW central system heating power can be reached



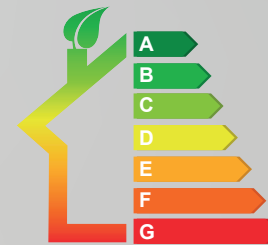
### Easy Mounting With The Product Kit

Accurate and easy mounting thanks to the stand, piping kit and installation kit specially designed by our company. (Page 9)



### CE Certification

CE Certified product approved by International Italian IMQ certification organization



### Heating Efficiency **A**

According to the ErP Regulation, 92% seasonal space heating energy efficiency and grade A (A+→D) heating efficiency.

	X 130	X 150
Nominal Heat Power (50/30 °C kW)	22,4 - 127,3	25,7 - 148,7
Nominal Heat Power (80/60 °C kW)	20,6 - 112,4	22,9 - 134,7



For a greener world...



Why GRON?

## WHY PREFER GRON?

On the contrary to many other companies, each device manufactured by **GRON** goes through not only safety tests but also efficiency and emission tests through laboratory equipment. Therefore, attention is paid to being economic and **environmentally friendly** in addition to maximum safety.

**The highest quality components** are preferred in the product design for long term comfort.

- 1** Despite its higher costs, 1.5 mm wall thickness stainless material is used instead of 0.7 mm in the profile bunches inside the exchanger
- 2** A copper pipe is used instead of iron or galvanized pipes in the entire water piping inside the device for a longer service life. Moreover, the copper pipe is 35 mm in diameter, not 28 mm, for a longer service life for the exchanger.



3 The o-ring **quick connect** method is used in the exchanger inlets and outlets for a longer service life and tightness at connection points.

4 Special design, heavy **cast body** aluminum front and rear covers are used, ignoring the increased costs, therefore, maximum heat absorption and distribution is obtained, leading to a longer service life. (Page 8)

5 Again sparing no costs, the German made 75 mm **Vermecculit** (insulation material) is preferred for heat insulation in the combustion chamber. It increases efficiency while minimizing heat loss.

6 Despite the high costs, a long channel which the gas-air mixture goes through after the fan is created in the cover design. With this channel, the heat generated on the combustion chamber surface is transferred to the gas-air mixture into the appliance. This increases the device efficiency while minimizing the heat loss. (Page 7).

7 A 28 mm **stainless flex** pipe is preferred in the gas connection instead of cost cutting methods such as iron or copper pipes.

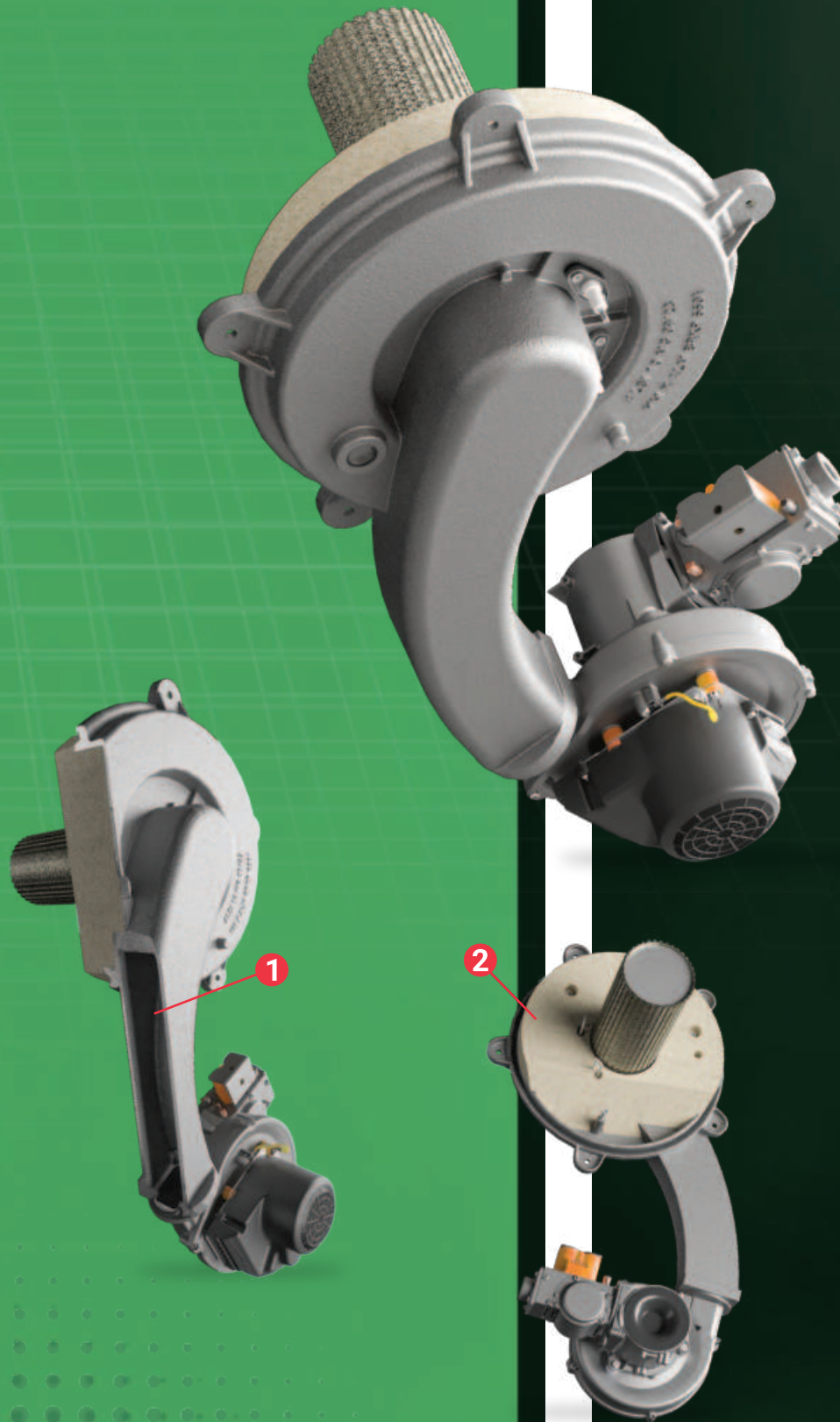
8 In order for the appliance to operate healthily for a long time, Flamco air relief cocks are used on both the cold and the hot water lines.

9 German Ebm brand is preferred for the fan, gas valve and venturi group on the product.

10 German Siemens brand is used on the control panel and board on the product.



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## HIGH EFFICIENCY COVER DESIGN

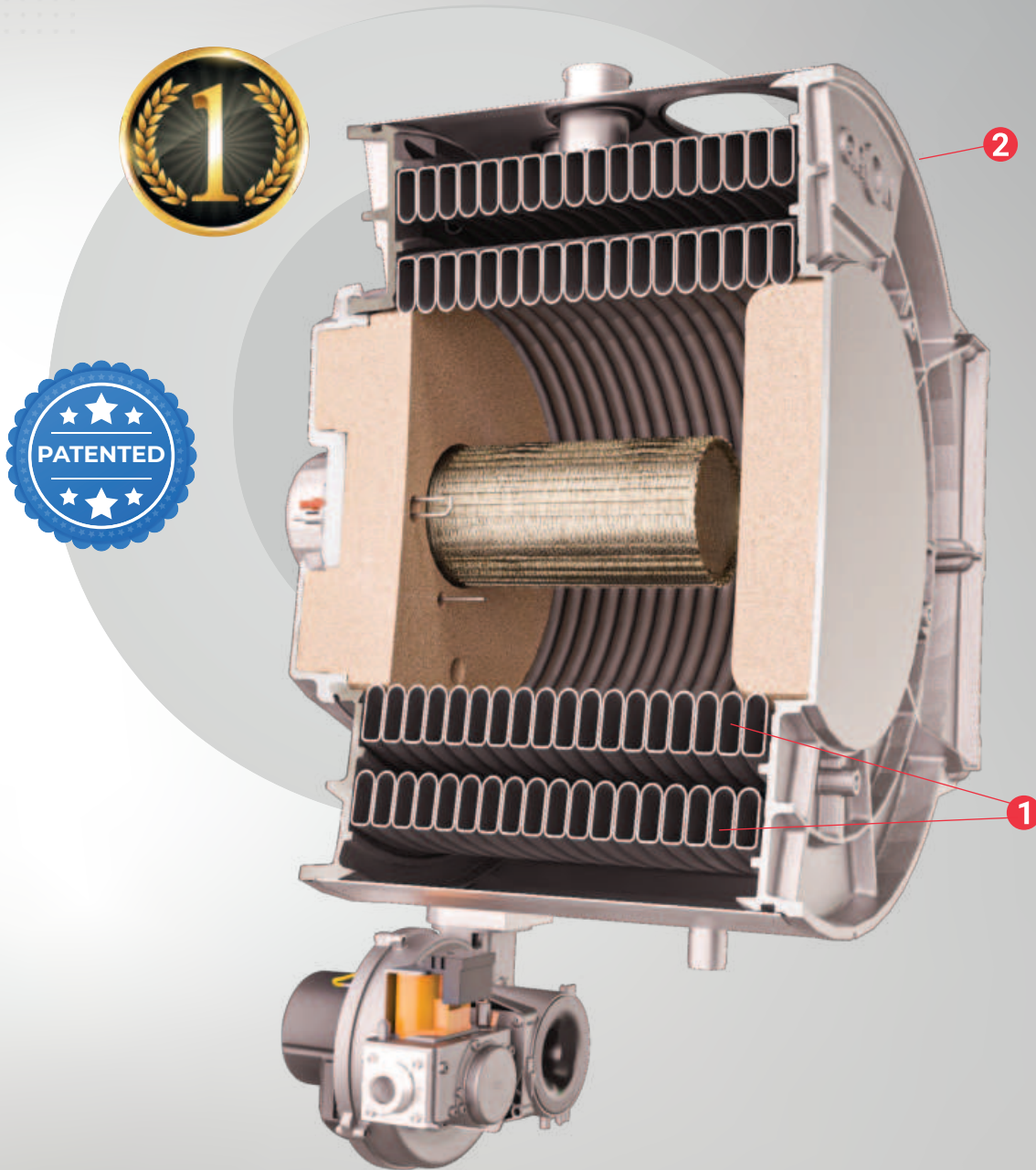
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**High heat loss** is experienced outside the combustion chamber during operation on standard devices.

**1** Despite its high cost, a long channel which the gas-air mixture goes through after the fan is created in the cover design. With this channel, the heat generated on the combustion chamber surface is transferred to the gas-air mixture into the device. This **increases efficiency** while minimizing heat loss.

**2** Despite its high costs, a special 75 mm German made **Vermeiculite** (insulation material) processed on CNC machinery is used inside the cover to increase efficiency by minimizing heat loss.





## GROUNDBREAKING DOUBLE HELIX EXCHANGER DESIGN

The **most efficient** wall mounted stainless exchanger approved by Internationally Accredited Laboratories.

A **Patented** original exchanger design.

**1** Despite being a challenging method of manufacturing, a **double helix** profile structure is preferred instead of a single helix design, increasing efficiency and prolonging the service life.

**Despite its higher costs**, 1.5 mm wall thickness stainless material is used instead of 0.7 mm in the profile bunches inside the exchanger.

**2** **Despite its higher costs**, the front and rear walls of the exchanger are made of cast aluminum material for long term robustness and customer satisfaction. Thus, the product heat is evenly distributed onto the surfaces, leading to a longer service life and better efficiency.



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*Installation Video*







## THE RIGHT INSTALLATION EASY MOUNTING

Thanks to the collector piping kit supplied depending on the cascade structure you need, inefficiency due to wrong piping calculations and wrong installations are prevented. Moreover, thanks to its **demountable** structure, the system the equipment on the installation from companies which are tested in our laboratories.

**1** The device's **practical and accurate** sub piping group is supplied by our company. Therefore, it shortens mounting times and offers a healthier installation structure.

**2** **GRON** engineers gave priority to durability, high efficiency and quality while designing the product. Yet, possible errors in product mounting and installation can reduce efficiency while shortening the service life. Our engineers designed an original practical mounting kit for the respective parts to prevent possible errors, apart from many other manufacturers. It is easier and healthier to mount the product thanks to the original demountable stand design by our engineers.





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## THE RIGHT PACKAGING FOR SAFE DELIVERY

GRON company's quality personnel track every product with its **serial number**. Our products are put in special packages which are tested by our company to minimize possible damages during delivery. In this design, for easy and healthy delivery despite its higher costs, every product is shipped inside Styrofoam cases with a wooden pallet at the bottom.



X 130/150

Net Weight (kg)	128.8
Gross Weight (kg)	150

X 130/150

Device Dimensions (Width x Length x Height cm)	61x73x100
Package Dimensions (Width x Length x Height cm)	70x84x125

For a greener world...

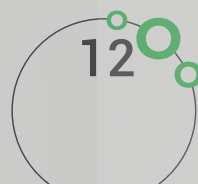
**GRON**



## **SPECIALIZED SERVICE NETWORK FOR CUSTOMER SATISFACTION**

We serve our valuable customers with service points. Field specialist Customer Representatives are at your service at the SERVICE ORGANIZATION CENTER at our company. What you only need to do is call us.

- Easy access
- Fast and quality service
- Specialized technical personel
- Standard service tariffs



[gron.com.tr](http://gron.com.tr)



For a **greener world...**

## WHY GRON?

*Preferring a **GRON** product is not only buying a heating device but also guaranteeing long term durability and reliable comfort thanks to its original exchanger design.*

### FUEL SAVING

It saves on fuel as it consumes less fuel than other devices thanks to its original exchanger design.



### STAINLESS EXCHANGER

A stainless material is preferred instead of aluminum in the exchanger design for a longer service time while offering higher efficiency.

### THE RIGHT PACKAGING

A robust packaging design to minimize possible damages during delivery.

### QUALITY COMPONENT

Top quality component brands are preferred in the product design, sparing no expense, for longer customer satisfaction.







## EXPERT SERVICE NETWORK

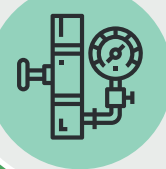
Easy access through expert customer representatives at the SERVICE ORGANIZATION CENTER at our company.

## DOMESTIC EXCHANGE

Our company is not only a device manufacturer, but also one of the few exchanger manufacturers (approved by internationally accredited laboratories) in the world.

## ENVIRONMENTALLY FRIENDLY EMISSIONS

As the product's NOx class is 6 it has low carbon emission.



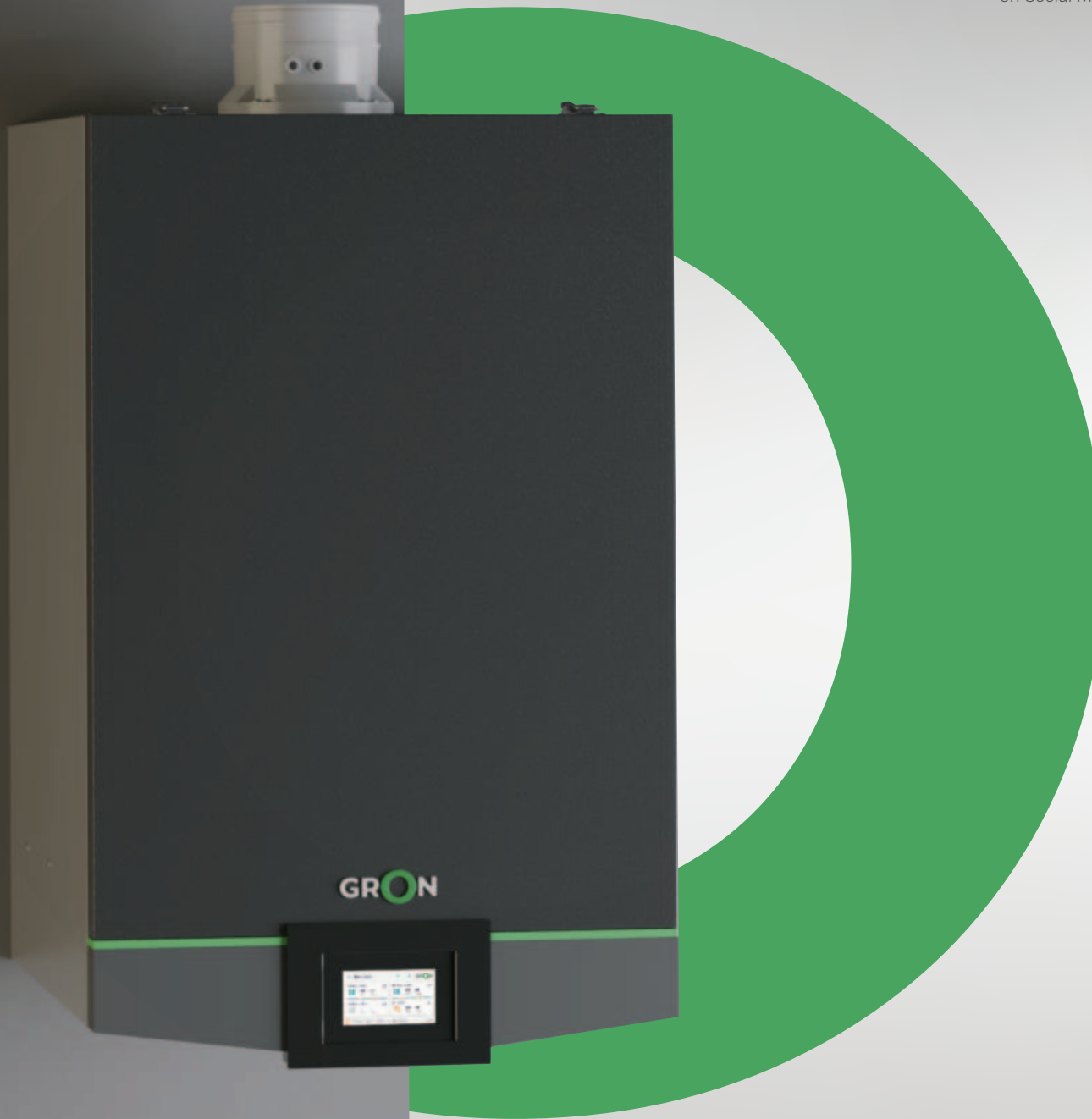
## THE RIGHT INSTALLATION KIT

Long term comfort is essential for a healthy installation, besides a quality appliance. Our engineers designed the GRON installation kit to eliminate possible errors in installation.



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**GRON**  
*on Social Media*



**GRON**

**GRON**  
*Contact Us*

