Annex 1: Products

Electromagnetic Polarity Inverter (IPE):

Process acting on the phenomenon of rising damp.
Provides up to 50% drying between 12 months and 18 months.

NAME	RANGE OF OPERATION (M)
IPE 12	12
IPE 16	16
IPE 22	22
IPE 32	32
IPE 46	46
IPE 62	62

Geomagnetic Polarity Inverter (IPG):

Process acting on the phenomenon of rising damp.
Provides up to 50% drying out over 18 to 24 months on exposed walls and 24 to 36 months for a basement or buried walls.

NAME	RANGE OF OPERATION (M)
IPG 10	10
IPG 20	20
IPE 30	30

Annex 2: Pricing Terms and Deliveries

The device will be paid for by bank transfer (bank details below) or cheque when ordering. It will be delivered directly to the requested address within a maximum of 15 days.

MODEL IPE	Net Purchase Price	Net Recommended Sale Price	Net Price for 4 to 6 devices per month 3.5%	Net Price for 7 to 15 per month 7%	Net Price for 16 to 22 per month 10%	Net Price for over 22 per month 13%
IPE 12	€1,280.00	€3,840.00	€1,235.20	€1,190.40	€1,152.00	€1,113.60
IPE 16	€1,400.00	€4,200.00	€1,351.00	€1,302.00	€1,260.00	€1,218.00
IPE 22	€1,500.00	€4,500.00	€1,447.50	€1,395.00	€1,350.00	€1,305.00
IPE 32	€1,840.00	€5,520.00	€1,775.60	€1,711.20	€1,656.00	€1,600.80
IPE 46	€2,320.00	€6,960.00	€2,238.80	€2,157.60	€2,088.00	€2,018.40
IPE 62	€2,720.00	€8,160.00	€2,624.80	€2,529.60	€2,448.00	€2,366.40

Electromagnetic Polarity Inverter (23% VAT)

MODELE IPG	Net Purchase Price	Net Recommended Sale Price	Net Price for 4 to 6 devices per month 3.5%	Net Price for 7 to 15 per month 7%	Net Price for 16 to 22 per month 10%	Net Price for over 22 per month 13%
IPG 10	€1,090.00	€3,270.00	€1,051.85	€1,013.70	€981.00	€948.30
IPG 20	€1,290.00	€3,870.00	€1,244.85	€1,199.70	€1,161.00	€1,122.30
IPG 30	€1,590.00	€4,770.00	€1,534.35	€1,478.70	€1,431.00	€1,383.30

Geomagnetic Polarity Inverter (23% VAT)

IBAN

IE54	**AIBK**	**9363**	**8387**	**8860**	**00**

BIC

A	I	B	K	I	E	2	D

Annex 3a: I.P.E Installation Specifications

Considerations and precautions

The system must operate continuously in order to obtain the optimum performance of the equipment. This reduces not only moisture from the walls, but also prevents moisture from rising in the future. This equipment is designed to work indoors. It must avoid heating sources like direct sunlight. The maximum operating altitude of the equipment is **2000m**. It is necessary to make sure the plug is easily accessible. Cleaning the equipment must only be done with a dry cloth.

Technical Characteristics

BFL Ireland has developed 6 types of devices with various treatment ranges. In fact, the I.P.E. is effective in combatting rising humidity in buildings, ranging from 50 m^2 to several thousand m^2

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Model	Range (m)	Dimensions (cm)	Kg
IPE 12	6	25 x 15 x 4.5	1.7 kg
IPE 16	8	25 x 15 x 4.5	1.7 kg
IPE 22	11	25 x 15 x 4.5	1.7 kg
IPE 32	16	25 x 15 x 4.5	1.7 kg
IPE 46	23	30 x 20 x 6.7	2.2 kg
IPE 62	31	30 x 20 x 6.7	2.2 kg

Important Precautions

It is important to place the equipment within the prescribed operational range so that it covers the outermost walls or the wettest areas (6 different devices).

It is important to install on a load bearing wall. It is recommended to place the device in a more or less central place within the building that has an electrical outlet less than 1.70 m away. Electrical conductors, metal tubes or beams must be more than 30 cm away.

It should be noted that the back of the equipment must be in direct contact with a **load bearing wall**. (Intermediate materials between the system and the wall such as wood, plasterboard, ceramic tiles, porexpan, plastic layers or a thick layer of gypsum over 3 mm should be avoided). In these cases, it is recommended to look for an area on the wall without these intermediate layers.

In addition, it is possible to place the system on the floor beneath furniture so that it is not in the way of anything.

Installation

The equipment is supplied with separate power plugs, anchors and their corresponding right-angle screws.

- You need a drill with a 5- or 6-mm drill bit, two dowels, and the appropriate screws to perform the installation.
- The holes are drilled according to the appropriate drill bit size between 35cm and 65cm.
- The anchors are inserted and the screws are fixed at right angles

The equipment is wall mounted, leaving the power supply and the LEDs on the right side. The adapter
power is connected to a nearby outlet and the jack (output connector) is plugged on the right side of the I.P.E.

The **red LED** indicates that the power is on.

The **green LED** indicator lights up slightly, indicating that the system is acting against moisture.

Things to Watch Out For

It is advisable to check periodically that **the red and green LEDs remain on at all times**. If that's not the case, please contact the supplier.

The drying process normally becomes noticeable after 4 months, but a painter must make sure that the walls are completely dry before restoration.

Usually, white stains appear on the wall during the drying process. These are salts, which have been dissolved in water and are present in the walls. These salts considerably reduce the adhesion of paint and mortar, and it is therefore essential to remove these salts by friction, scraping or by other means before restoration. This must be done with a lime coating and breathable paints because it is important that the walls be able to breathe.

Annex 3b: I.P.G Installation Specifications

Considerations and precautions

The system must operate continuously in order to obtain the optimum performance of the equipment. This reduces not only moisture from the walls, but also prevents moisture from rising in the future. This equipment is designed to work indoors. Please avoid heating sources like radiators or direct sunlight.

The I.P.G must be positioned between 1.50m and 2m in height above ground. Cleaning the equipment must only be done with a dry cloth.

Important Precautions

It is important to place the equipment within the prescribed operational range so that it covers the outermost walls or the wettest areas. It is recommended **to install it in a location in a more or less central point within the building, more than 1.2m from metal tubes, beams, safes and/or large speakers.**

It is essential to remove any crust from damaged walls and make sure the house is well ventilated.

Technical Characteristics

Model	Range (m)	Dimensions (cm)	Weight
IPG 10	5	24 x 24 x 20	2 kg
IPG 20	10	24 x 24 x 20	2 kg
IPG 30	15	24 x 24 x 20	2 kg

Installation

The I.P.G is generally positioned between 1.5m and 2m above ground.

Several installation positions are possible depending on the building:

- Central placement relative to the building (centre of the house).
- On the ground floor above the cellar if it does not cover the entire building.
- On the ground floor if the height of the crawl space is less than 0.8m.
- Installation in cellar or basement if the minimum height is 2m (otherwise central position).

The I.P.G should be oriented with its label facing north (using a compass).