



## Operating Instructions

### Infrared Heating Panel

• IRP-400

## READ & SAVE THESE INSTRUCTIONS

### BEFORE GETTING STARTED

This manual is specifically for Infrared Heating Panels developed to target difficult to dry dense materials such as concrete flooring, Gypcrete flooring, ceramic tile floors with mortar base, backerboards and the like. When used for this purpose, they should be set up with the hot black side of the panels facing down. Always use the accompanying legs for proper spacing. The panels can also be used to heat and dry dense walls including plaster, multiple layers of drywall and insulation board. When used in this fashion, the legs should be used to space the panels vertically on their side.

### SAFETY WARNINGS

Safety is always the number one concern when using electrical equipment. All electrical equipment can be dangerous if misused, abused or damaged. If the user fails to observe the warnings, injury might result to person, or property. By following the warnings below, the user can reduce the risk of shock, personal injury or fire.



**DO NOT operate near combustible materials such as paper, cardboard, furniture, drapes etc. Treat with caution as you would any space or portable heater.**

**DO NOT use unless you have read the operating instructions.**

**DO NOT use outside, in water, in rain or standing water.**

**DO NOT remove the cover/housing as serious shock might occur.**

**DO NOT remove or alter grounding plug.**

**DO NOT connect to an ungrounded outlet.**

**DO NOT service the unit while connected to any power source.**

**DO NOT alter or operate IRP with a damaged cord or plug. Discard or return to an authorized service facility for examination and/or repair.**

**DO NOT run cord under carpeting. DO NOT cover with throw rugs, runners, or similar coverings. DO NOT route cord under furniture.**



**DO NOT place on unstable or wet surface or in an enclosed space where there are no air exchanges.**

**DO NOT operate any device with a damaged cord or plug.**

**Not intended for use on sensitive materials such as hardwood flooring, wood trim or wood cabinetry as the wood can dry too rapidly causing permanent damage.**

**DO NOT operate in areas where children or pets have access.**

**DO NOT operate in environments where the ambient temperature might be over 90°F as the unit might become too hot to touch.**



**To move IRP-400, unplug and let it cool down prior to moving. Grasp each panel end frame where it will be cooler to the touch.**

### TRAINING VIDEOS & WEBINAR TRAINING

Training videos on wall injection and how to dry hardwood floors are located on our website <https://www.injectidry.com/videos/>. After watching all the videos you may schedule a training webinar (call for information).

### UNPACKING YOUR PRODUCT

Great care has gone into the protection of your unit. We recommend keeping the packaging in case a return is required.

In the upper left corner of each box is a packaging label which specifies the model number for the kit designation and the contents and qty for each.



## **SET UP INSTRUCTIONS**

Attach 4 feet to the metal frame to stabilize it. There is no on/off switch, place over or in front of the materials to be dried. Simply plug into any 120v circuit and the panel will automatically heat up.



The feet will also act as spacers so that the panel is the appropriate distance from the material being dried (aprox 6"). If the panel is placed more than aprox 6" from the material it may not reach the desired temperature. Never operate the panel without the feet.

The panel can be placed face down to direct heat toward a floor. It can also be erected to face a wall horizontally.

It is best to turn the panel off and let it cool for five minutes before handling as the panels will be warm.

Always monitor the temperature and moisture content of materials closely.

**Not intended for use in an environment exceeding 90 degrees Fahrenheit.**

**Please note that air movement will dissipate the heat produced by the Infrared panel.**

**If a material is hotter than the desired temperature, place an air mover in the room directed away from the IR panel. The indirect air circulation will reduce the temperature of the material being dried.**

**Wrap materials you do not want directly heated in aluminum foil to deflect infrared heat. Materials will still get warm.**

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### **IRP-400 Specifications**

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Handling Dims Dimensions	46" x 16" x 1" @ 10 lbs each
Shipping Dims	48" x 20" x 4" @ 30 lbs (SET OF 2)
Power	110-125v
Amperage	3.5 amps

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### **XACTIMATE CODE**

<b>Products</b>	<b>Selector</b>	<b>Sub Code</b>
IRP-400	WTR	HTBL

# FAQ's

**What materials can be dried with the IR panels?** *Drywall (single or multi-layer), lathe and plaster, concrete floors and walls, Gypcrete®/ lightweight concrete, stone and masonry, ceramic/porcelain/natural stone tile, structural framing, wood subflooring, exterior sheathing, sound-board. **NOT RECOMMENDED for drying finished wood, carpet & pad, sheet vinyl, paper, cardboard or other combustible materials.***

**Should the IR panels be used to dry hardwood flooring?** *NO. The IR Panels are not intended for use with heat sensitive materials. Heat can cause finished wood to dry too rapidly which may result in permanent damage to hardwood flooring and other heat sensitive materials such as solid wood cabinets and wood trim.*

**How do you dry floors with the IR Panel?** *When used for this purpose, they should be set up with the hot black side of the panels facing down. Always use the accompanying legs for proper spacing.*

**How do you dry walls with the IR Panel?** *When used for this purpose, they should be set up with the hot black side of the panel facing vertical to the wall. Always use the accompanying legs for proper spacing.*

**Can the IR panels dry VCT (vinyl composite tile) on plywood or concrete?** *YES. The direct heat will often be all that is needed to drive moisture out of the substrate. There will be some cases where the mastic will have failed so keep that in mind when setting expectations with customers.*

**How long will it take for the IR panels to dry materials?** *The dry time will vary depending on the thickness of the materials, how many wet layers of materials there are. To speed up drying push or pull air through cavities with Injectidry's HP injection system, the Direct-It or Direct-It -In air mover adapters or the Adaptidry vents on an AFD.*

**How hot will the IR panel make materials?** *The panels can raise the temperature of the materials they are directed at as high as 30-50 °F depending on the ambient temperature in the room. The panels should be placed approx 6" from the materials to be dried. If the panel is more than approx 6" away, the material may not reach the desired temperature. High air exchanges or air circulating in the room may prevent the materials from reaching the desired temperature.*

**Can the IR panels be used to heat rooms such as bathrooms in a structure?** *YES. Three panels are the equivalent of most space heaters. One advantage of using the IR panels as a space heater is the lack of moving air.*

**Can the IR panels be used in a crawlspace?** *Yes. Always use the feet/legs to keep the panel off of the ground and to keep it the proper distance from the materials being dried. To protect plumbing/pipes or plastic parts wrap them with aluminum foil. The reflective aluminum foil will deflect infrared waves and keep the panel from directly heating materials. Materials will still get warm.*

**How large an area can each IR panel dry?** *Drying will primarily happen where the panel is directed but the "angle of incidence" occurs out at least 8-10 inches, affecting the surrounding areas. Each panel is 16"x 46" which means the panels affect 32" x 62".*

**How many amps does each IR panel draw?** *Approx 3.5 amps. Everything in the design of the panel allows highest efficiency resulting in 95% radiant output of the power consumed with all of the energy focused on the wet materials, not the air.*

**Should air movers be used to blow beneath the IR panels?** *NO. Moving air will dissipate the heat from the surface being heated for drying purposes. If the infrared panel is heating a material hotter than the desired temperature place an air mover in the room directed away from the IR panel. The indirect air circulation will reduce the temperature of the material being dried.*

**What makes the IR panels Infrared?** *The wavelength related to the temperature. Infrared wavelengths that we use are 7-10 microns and in the "medium wavelength" part of the spectrum. "Short wavelength" energy is much too hot to use.*

**What material is the IR panel?** *The frame, face and back are aluminum. The panel is rust free and 100% recyclable.*

**What material is the IR panel?** *The frame and the brushed silver side are aluminum. The panel is rust free and 100% recyclable.*

# Warranty

## Coverage

The warranty extends to the original end-user of the IRP-400 and is non-transferrable.

### 1 Year - Conditions of Warranty

Injectidry Systems guarantees that, for the first year the Panels will operate free of any defects in materials and workmanship, or Injectidry Systems, Inc. will, at its discretion, repair or replace the defective part(s), free of any charge. During the first year, Injectidry Systems will cover all material, labor, and shipping costs to and from the service center.

**Limitations & Exclusions:** The warranty includes legal rights to the original purchaser, and additional rights may be available, varying state to state. The customer must contact Injectidry Systems for authorization to return any materials for Repair and/or all repairs must be completed by an Authorized Repair Center. The warranty obligation extends only to the repairs or replacement of parts found to be defective upon the examination and the decision of Injectidry Systems. This warranty will not extend to Injectidry products showing any accidental damage, alteration, normal wear, disassembly, lack of proper maintenance, damage from fire or flood, damage from corrosive or other chemicals, improper voltage use, unauthorized repairs, use of non-genuine parts and materials, misuse, or any other causes beyond the control of Injectidry. The proceeding limitations constitute the entire warranty. No other warranty or responsibility is expressed or implied. Injectidry Systems is not responsible for any repairs or modifications to any of its products, unless completed by Injectidry Systems or an Authorized Repair Center.

## CUSTOMER SERVICE

### Return for Repair Request

To expedite the warranty claim process, please have the following:

- Equipment model number
- Serial number

You can obtain a Request for Repair Form by calling 800.257.0797 or by going to our website for a form on the "Contact Us" page.

### Return Request

You can obtain a Request for Return for Credit Form by calling 800.257.0797 or by going to our website for a form on the "Contact Us" page.

### Incomplete Shipments

All shortages must be reported within five business days.

Be sure to check the number of cartons or packages. You can compare this count with the total listed on Bill of Lading. Confirm that you have received all cartons or packages pertaining to this shipment.

If quantities do not match, have the delivery driver note shortage. If the missing cartons or packages do not show up in the next few days, contact the Shipping Department and we will reshipe on a new order.

You must file a Freight Claim for shorted packages if the count differs from the Bill of Lading. For your protection, the carrier who delivers merchandise to your door is responsible for any loss or damages. Acceptance of the shipment by the carrier company is acknowledgement that the articles were delivered to them were in good condition and properly packaged.

### Freight Damage

Injectidry Systems is not responsible for freight damage. We will assist you in filing a freight claim. The shipper must be notified within 48 hours or by the next business day.

Immediately upon receiving the shipment, note all damage with the driver or on the waybill. If damages are found after the packaging is opened, call the transportation company to report the concealed freight damage and request an inspection.