



## INDUSTRIAL DRYING CABINET— “ATHLETIC EQUIPMENT” APPLICATIONS



Constructed of rugged cold-rolled steel, similar drying cabinets have been used in the Fire Fighting Industry to dry personal protective equipment. Staber Industries has designed and custom built the “Athletic Equipment” model to address the need for fast, efficient and convenient drying of athletic equipment that should not or cannot be tumble dried in a conventional dryer. The Staber IDC-2220 is the ideal complement to an equipment manager’s procedures and processes that prevent the spread of MRSA, staphylococcus and Tinea fungus. Simple controls with factory preset temperatures ensure proper drying temperature for each unique equipment item. Heavy-duty steel construction with a durable white powder coat finish is standard, custom colors are available. Ships from our Groveport, Ohio factory with (24) equipment hangers, (1) multi-purpose hanger, and (1) drying shelf.

### Optional items for the IDC-2220:

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|------------------------------------|------------------|
| ○ Athletic Equipment Hanger        | Retail: \$52.00  |
| ○ “Airflow” Coat Hanger            | Retail: \$62.00  |
| ○ “Airflow” Skate/Boot/Shoe Hanger | Retail: \$91.00  |
| ○ “Airflow” Glove Hanger           | Retail: \$110.00 |
| ○ Multi-purpose Hanger             | Retail: \$58.00  |
| ○ Drying Shelf                     | Retail: \$175.00 |





## INFORMATION & BACKGROUND ON THE STABER INDUSTRIAL (ATHLETIC GEAR) DRYING CABINET MODEL 2220

### Introduction

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- The Staber Industrial Drying Cabinet is American-made at our facility in Groveport, Ohio.
- It is specifically designed to dry those items that cannot or should not be tumble dried.
- The cabinet's unique **Airflow** hanger system dries equipment and apparel from both the inside and outside simultaneously for faster and more energy-efficient drying.
- The control panel has 5 selectable temperature settings including a fan (air) only option.
- The drying times are selectable for up to 10 hours in increments of 15 minutes.
- The cabinet dries equipment rapidly and with high energy efficiency.
- The unit contains a built-in floor drain to remove water drip off.
- Flush-mounted, lockable slam latch secures the swing-out doors.
- Powder coated heavy-duty steel construction throughout ensures long life and corrosion-resistance.
- All industrial drying cabinets are shipped directly to the end-user: FOB Groveport, Ohio – freight collect.
- MSRP: \$5,199.00



Our unique **Airflow** hanger design circulates air inside and outside of equipment for amazing drying times, and complete drying throughout the article.



## Capabilities

The IDC-2220 can accommodate various equipment types. Plastic, foam, leather, cotton, synthetic material equipment items all can easily be dried in an IDC. Bulky shoulder pads, helmets, even the largest hockey goalie pads easily fit and dry with amazing speed in the cabinet - any equipment difficult to dry and that shouldn't be tumble dried are dried quickly and efficiently in the IDC. The multi-purpose racks add limitless versatility to the use and applications of the IDC-2210.



**Our adjustable equipment hangers work with or without airflow hangers to provide nearly limitless options for various types and volumes of athletic equipment.**



**Multi-purpose hooks (one set standard) are placed on the interior of the cabinet to hang a variety of hard to dry items.**



### Specifications:

- Capacity: 24 to 28 shoulder pad sets using standard equipment hangers.
- Electric Heating: 6 kW
- Electric Connection: 208 V - 240 V – 60 Hz 1- ph 30 amp breaker
- Exhaust Diameter: 6"
- Outlet Airflow: 460 cfm
- External Floor Drain compatible
- Width: 55"
- Depth: 33"
- Depth with doors fully open: 55"
- Height: 72"
- Net Weight: 460 lb





## STABER IDC-2220 DESIGN SPECIFICATIONS

**General:** The IDC-2220, (IDC), is manufactured with quality materials designed for ease of use and long-lasting durability. The overall design offers a variety of drying uses, all with a focus on the drying of non-standard items that cannot be dried using a tumble-dry application. The IDC is designed for many years of useful service with easy access to major components for removal and installation of replacement parts.



**Electrical Configuration:** The IDC runs on 208-240 volt, 60 Hz, power using a single phase 30 amp, breaker with 6kW capacity. The IDC is shipped with an electrical “pig-tail” requiring either the addition of a 220v heavy duty electric plug or direct wire at point of use.

**Heating Element:** The IDC uses two, 3000 watt 208-240v, heating elements delivering 6000 watts of total heating power. The design allows ease of maintenance if removal and replacement of the heating elements are required. The IDC is capable of heating to 150° at a 70° outside air temperature. The heating elements are mounted to the heater using 18 gauge cold-rolled steel mounting brackets. The heater air outlet, constructed of 18 gauge steel, directs heated air through the panel of the cabinet and down an interior chute to the bottom of the cabinet.

**Blower Motor:** The IDC blower motor is bolted to the top frame under the upper cover. It uses an axle fan that blows heating air across the heating elements. The IDC pulls 50% of its required air from the atmosphere and the remaining 50% from inside the cabinet. That 50/50 split allows for greater energy efficiency and drying effectiveness.

**Drying Shelf and Equipment Hangers:** The IDC has provisions for twelve hanging accessories with internal airflow and three 14 gauge steel shelf channels that run parallel the full length of the back wall of the interior of the cabinet.

*The IDC is designed to dry dripping wet full-sized football shoulder pads in 18-22 minutes. Hockey Sweaters in 15 minutes or less!*



## IDC-2220 CONSTRUCTION AND DESIGN

**Cabinet:** The IDC's main frame is built using 14 gauge cold-rolled steel, the upright and bottom panels are 16 gauge steel. Two 14 gauge shelf runners attached to the rear panel and provide excellent structural support. The floor panel is welded to the 14 gauge steel base. The cabinet base and feet are constructed of 11 gauge steel. The cabinet assembly is built using electric welds and stainless rivets.

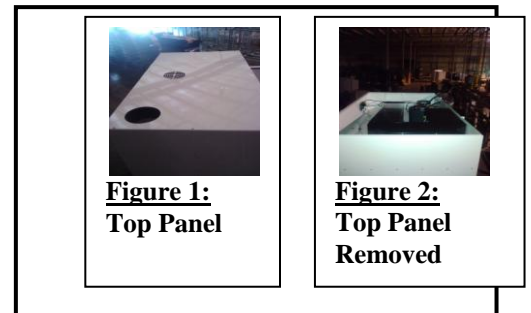
- (a) The IDC uses 3/8" x 16 leveling lugs on a 6" x 6" bottom foot plate with 11 gauge steel corner gussets.
- (b) The back, side walls and top panels of the IDC are constructed using 18 gauge steel.
- (c) The IDC is powder coated white (standard) throughout. Additional color choices are available for an additional \$100.00.
- (d) The back side walls and top panels of the IDC are constructed using 18 gauge steel.



**Doors:** The IDC doors are double wall construction using 18 gauge steel with hinge pins allowing easy removal of the doors and flush opening against an outer side wall.

**Cabinet Upper Assembly Front Panel:** A removable front panel, made of 18 gauge steel, allows for ease of access to the control panel.

**Blower and Heating Element Cover:** (Fig 1,2) The IDC fan guard is integrated into the top cover with approximately 1/4" holes in a circular pattern laser cut into the panel. Removal of the top cover allows access to the blower motor, heating elements, temperature control sensor, and touch-sensor control panel.



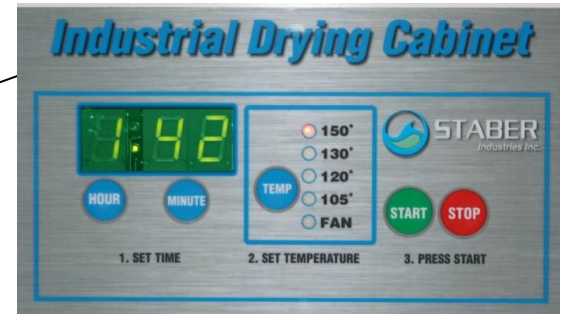


**Electrical Controls:** The IDC has a touch-sensor electronic control panel mounted on the front top panel above the right swing out door. The control panel senses, displays and controls temperature and run time around four preset temperatures. Ease of use and operation is provided for the 3"x 8" touch panel, displaying run time and countdown timer with LED temperature displays.

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**Time Settings:** The push of the hour button on the control panel selects the hours of run time from 0-9 hours. The push of the minute button selects the minutes of run time. The run time goes from 1 to 45 minutes.

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**Temperature Settings:** The push of the temperature button on the control panel allows the selection of one of four present drying temperatures with associated LED indicators. The blue LED indicates Fan Only operation using ambient air; the amber LED indicates the use of 105° heated air; the orange LED indicates the use of 120° heated air; the red LED indicates the use of 130° heated air; and the bright red LED indicates the use of 150° heated air.

**Heater and Air Flow Chambers:** The air flow plenum uses 18 gauge steel that directs air across the heating elements and down through the top of the unit. Additional heating air is through a plenum chamber that exits at the bottom left side of the cabinet. The IDC-2220 maintains even airflow through the top and side plenums without the use of a floor plenum.

#### Airflow Chambers of the IDC-2220



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