

# ITS ENCLOSURES

ELECTRONICS  
**PROTECTION**  
WHERE YOU  
**NEED IT**

introducing the new  
**icestation**  
**TITAN**  
by ITS ENCLOSURES

## FEATURING:



Touchscreen Technology • PG. 8

NEW **icestation** TITAN • PG. 4 & 17



## Product Catalog

**PROTECTING THE PRODUCTS THAT SERVE PEOPLE**

## OUR MISSION

To help customers avoid costly downtime and achieve the maximum life cycle and investment from their electronic devices by providing state-of-the-art enclosures that protect, organize and secure equipment in any operating environment.

## OUR GOAL

To be recognized as the leader in the enclosure market in quality, service, application and affordability.

## OUR PLEDGE

To provide our customers with the best, fastest and most flexible service in the industry.

## OUR GUARANTEE

Forever and a day – If your **icestation**, **icebox**, **viewstation** or **netstation** ever fails due to material defect or workmanship, we will repair the damaged part or replace it free of charge.

## OUR SERVICE

**ITSENCLOSURES** is dedicated to complete customer satisfaction. Our unique blend of direct sales, manufacturer's representatives and authorized value-added resellers allows us to serve our customers better, faster and with more flexibility than our competitors.

**ITSENCLOSURES** ships directly from stock, meaning that an order for an in-stock item should be ready to ship within 24 hours. We assemble your order in-house, so if you need a custom item, we're ready to build it as soon as you call. Most **ITSENCLOSURES** products are shipped fully assembled for your convenience.

## OUR PRODUCTS

### **icestation**

Allow companies to safely use any computer or monitor in the harshest operating environments.

### **icebox**

Designed to house sensitive electrical and electronic equipment that control your manufacturing or production process.

### **netstation**

Designed for the IT marketplace to house all network file servers, hubs, routers, UPS systems and other electronic or passive equipment.

### **viewstation**

Provides you with the flexibility to protect your plasma and LCD investment for both indoor and outdoor applications.

### **thermal management**

Offers a wide variety of thermal management products that keep your equipment running smoothly within a controlled temperature and humidity range.

### **electronics**

An extensive line of electronic accessory items to complete your project needs, such as LCD/Plasma displays, industrial monitors, KVM switches, video extenders and power distribution supplies.

## CONTACT US

To learn how **ITSENCLOSURES** can fulfill all your enclosure needs, call us toll free at 800-423-9911 or visit our web site at [www.ITSENCLOSURES.com](http://www.ITSENCLOSURES.com)

# Electronic & Electrical protection GUARANTEED!

## PROTECTING THE PRODUCTS THAT SERVE PEOPLE.

Located 36 miles southeast of Pittsburgh in Mt. Pleasant, Pennsylvania, **ITSENCLOSURES** designs and builds the most durable electronic, computer and network enclosure solutions available. Since 1985 we have been helping companies protect technology investments and realize the maximum life cycle of equipment. Our NEMA-rated enclosures are ideal for any and all environments where dust, dirt and exposure to liquids or corrosives threaten the performance of your equipment.

## ITSENCLOSURES

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Distributed By:

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## FEATURES

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**14-16 viewstation kiosk** Check out **ITSENCLOSURES** "Information-Station". This kiosk is designed to enclose a wide variety of equipment and can be fully customized.

**25-26 Industrial Rack Enclosure** Now you can access your rack mount equipment without jeopardizing NEMA integrity. The new IRWR72 comes standard with an independently sealed roll-out keyboard drawer that gives you easy data access in a protected environment.

**36-42 Thermal Management** Isn't it time you took control of your thermal environment? **ITSENCLOSURES** can provide you with a complete selection of Thermal Management products to help you design a perfect environment for your electronic equipment.

## LEVELS OF PROTECTION



**TAMPERPROOF** Lockable doors and access panels to deter unwanted access



**NEMA 12** Protects against dust, dirt and splashing fluids



**NEMA 4** Protects against dust, dirt and hose directed water



**NEMA 4X (Stainless)** Protects against dust, dirt, hose directed fluids and corrosive materials

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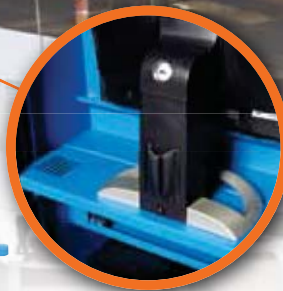
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# INTRODUCING

## icestation **TITAN** by ITSENCLOSURES



On the shop floor, time is money. The last thing your company needs is your computer system going down due to your work environment. That's where the new **icestation TITAN** by **ITSENCLOSURES** can benefit you. The **icestation TITAN** is designed to keep your computer running in any environment. Dirt, dust, splashing liquids and other contaminants will never bother your sensitive electronics again!

- Adjustable Monitor Shelf
- Window Suited to 24" Wide Format LCD
- Fan System Capable
- Removable Work Surface/Switch Panel
- Keylocking doors
- Locking Casters



All  
viewstation  
Products are Tested  
On-Site at the  
**ITSENCLOSURES**  
Testing Facility



# One **Big Happy** Family

## Meet the New viewstation Family

**ITSENCLOSURES** is committed to providing the highest quality display enclosure products on the market. No matter what the size of your display, we've got you covered. When it comes to enclosure protection, go to the experts in the industry for all your self service and digital signage needs.

Our new **viewstation** family includes display enclosures, protective covers and kiosks. Our custom kiosk line can incorporate items such as a touch screen, card reader, printer, keyboard, and/ or bill and coin acceptors to fit your specifications.



## Your Message Just Got Bigger Array Billboard LCD Enclosures

viewstation Array offers custom built billboard-sized LCD enclosures that will maximize your message. Available both indoors and out, viewstation Array can create one "giant" message or up to 6 individual messages with LCD displays.

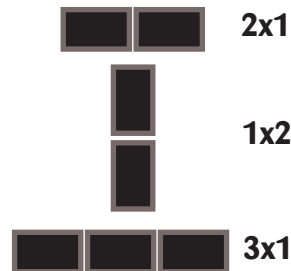
As signage capabilities continue their rapid growth, cost effective alternatives to LED signs are becoming more and more prevalent. viewstation Array can bring you that alternative.



SkyTrain - Vancouver, BC



### Available in many custom configurations



### applications:

- Airports
- Stadiums & arenas
- Shopping malls
- Indoor/outdoor advertising
- Train stations
- Bus depots
- Amusement parks
- Convention centers
- Casino/hotel/resorts
- *Many more*

### features & benefits:

- Standard LCD display technology included
- Post-mounted
- Thermal management for temperature regulation
- Content/device management available
- Environmentally sealed
- Integrated air movement
- More flexible and less expensive than LED
- Individually or fully addressable panels



Easy to quickly change displays

Visit [viewstation.com](http://viewstation.com)



## Your Message In Motion QSR Digital Menu Board

The viewstation QSR is available in many configurations, including both portrait and landscape orientation. The enclosure solution was designed with thermal management in mind, to provide the electronics with a safe environment. Additionally, the QSR design includes special venting to allow highly efficient airflow throughout the enclosure that maximizes the cooling capabilities provided by the AC unit. NEC High-Bright displays with dimming capabilities will guarantee that your menu board and daily specials are seen even in the most intense sunlight. The QSR enclosure can be offered as a stand alone unit or coincide with your existing sign structure to provide the most attractive and functional solutions for any drive-thru application, including banks, pharmacies and virtually any other customer service application!



NEC High-Bright displays that are sunlight readable and UV resistant, tempered anti-reflective glass

### features & benefits:

- Static and video display options
- Portrait or landscape orientation
- NEC high-bright displays with dimming capabilities
- Thermal management options

### applications:

- Banking drive-thru's
- Sidewalks
- Pharmacies
- Fast food drive-thru's
- *Many more*

Visit [viewstation.com](http://viewstation.com)



to Watch the QSR  
Make Its First Appearance  
at the DSE Show

HEATING  COOLING (See pages 36-42 for details)  
options



Wendy's/Arby's Installation





## Protection Perfected Passively Cooled Digital Enclosures

Have a project that requires more than a CoverStation (display cover) but not as much protection as is afforded by the viewstation? Well we now have an enclosure that is designed for those areas where you are looking for something "in between"...the new viewstation PC! The viewstation PC (Passively Cooled) is outstanding for places where there is very limited weather exposure but theft or vandals could be a potential problem. Still durable and designed to protect your investment in LCD displays the viewstation PC provides just the right amount of protection for the right price!

### features & benefits:

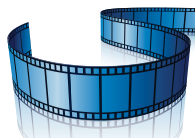
- Passive, vented cooling, no fans or filters to maintain
- Tempered glass viewing window (anti-reflective glass available)
- Durable aluminum construction for long lasting wear
- Works with most popular manufacturers' mounts
- Made in most popular sizes to fit 32" and larger LCD displays (custom sizes available)

### applications:

- Indoor areas that require display protection
- Outdoor applications where weather is not a concern
- Ideal for concourse areas in stadiums and arenas
- *Many more*



Visit [viewstation.com](http://viewstation.com)



to See the Touch Screen Technology at the DSE Show



### Touch Screen Technology

This new technology ensures total environmental protection within a standard viewstation, while offering full touch screen capabilities for both indoor and outdoor venues. The touch screen technology works with standard large format LCD displays by adding a specifically manufactured glass modification to existing viewstation enclosures.

#### features & benefits:

- Protected capacitive touch technology
- Will work with virtually any LCD display
- High bright display solution available

#### applications:

- Retail stores
- Maps
- Transit stations
- Stadiums
- Arenas
- Lobby information centers
- Many, many more...



## Protecting Your Message with viewstation Universal viewstation Family of Display Enclosures

viewstation Universal is the next generation in large format display protection. With the capability to be used indoors or out, the viewstation Universal can accommodate a large variety of commercial LCD displays. Available in both single and double-sided configurations, viewstation is equipped with state-of-the-art technologies, which include: anti-reflective tempered glass, integrated thermal management, tamper resistant locking mechanisms, and various mounting options. These tools work together to provide the ultimate in protection from theft, vandalism, the elements and other potential display damage. Digital Signage with viewstation protection will ensure the message displayed will reach its intended audience with unmatched style, clarity and protection.



### features & benefits:

- Fully sealed & key locked
- Integrated air movement
- Optional I/R distribution
- Various mounting options: ceiling, wall, pole, & custom
- Anti-reflective tempered glass
- Content device and content management available
- Protects single or dual-sided screen applications
- Thermal management for temperature regulation



Shield your enclosure with our new shade sail! Custom colors and logo branding options available.

### viewstation Universal Models Available

MODEL	DESCRIPTION	COLOR
VS-U-32	Indoor/Outdoor 27-32" viewstation	Silver, Black
VS-U-42	Indoor/Outdoor 40-42" viewstation	Silver, Black
VS-U-47	Indoor/Outdoor 46-47" viewstation	Silver, Black
VS-U-52	Indoor/Outdoor 50-52" viewstation	Silver, Black
VS-U-57	Indoor/Outdoor 55-57" viewstation	Silver, Black
VS-U-65	Indoor/Outdoor 60-65" viewstation	Silver, Black

Call for Other Sizes & Part #'s • Custom Colors Available



# Display PROTECTION



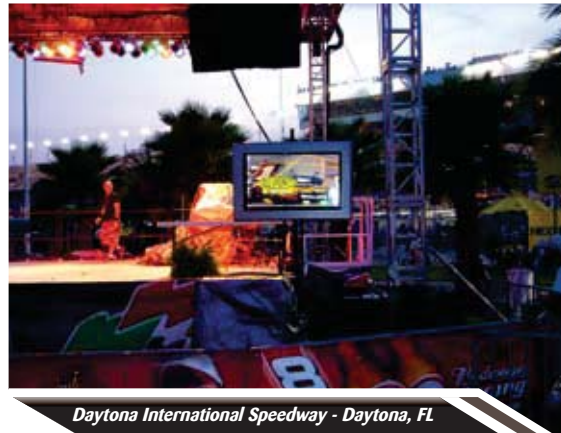
Dayton RTA - Dayton, OH

## applications:

- Convention centers
- Bus depots
- Airports
- Schools/universities
- Stadiums & arenas
- Hotels/resorts
- Shopping malls
- City & state governments
- Indoor advertising
- *Many more*
- Train stations



San Francisco 49ers - Candlestick Park



Daytona International Speedway - Daytona, FL

## viewstation double-sided



double-sided

## features:

- Content device and content management available
- Protects dual screens
- Thermal management for temperature regulation
- Ceiling mounted
- LCD displays included



## Protection with Style

### CoverStation Display Enclosures

CoverStation offers unsurpassed protective shielding for your Plasma or LCD. CoverStation protects from dust, splashing fluids, prevents control tampering and other unforeseen mishaps. Constructed of aluminum to achieve a lightweight design, CoverStation is available to fit most LCD displays and is offered in a wide array of colors to fit your unique needs. In addition, CoverStation offers custom Brand/Insignia placements to reinforce your image.

#### features:

- Sleek, smooth, seamless design
- Blends into any décor
- Popular sizes and colors
- Customize with permanent logo placement & color
- Acrylic window (anti-reflective acrylic also available)

CoverStation



Aluminum



Adjustable display mounting brackets



JFK Airport

Model # CS-A-42 shown

#### CoverStation Models Available

MODEL	DESCRIPTION	COLOR
CS-A-32	Aluminum 32" CoverStation	Silver, Black
CS-A-40	Aluminum 40" CoverStation	Silver, Black
CS-A-42	Aluminum 42" CoverStation	Silver, Black
CS-A-46	Aluminum 46" CoverStation	Silver, Black
CS-A-50	Aluminum 50" CoverStation	Silver, Black

Call for Custom Sizes & Colors

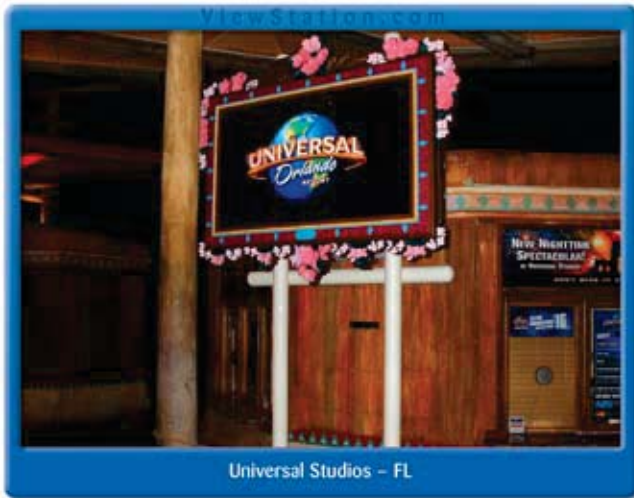


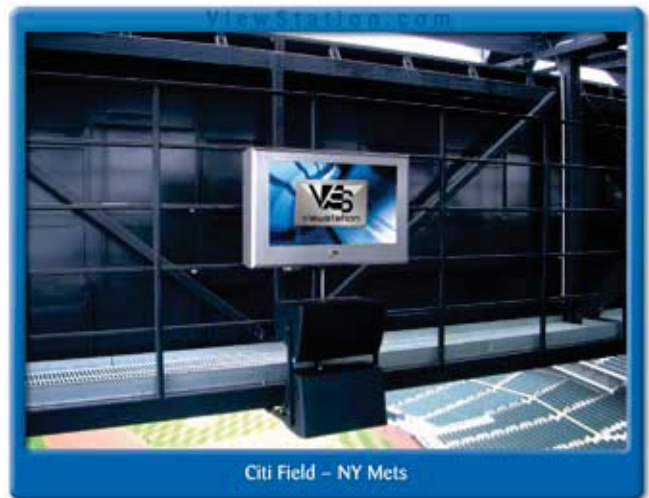
# No Limitations to Your Display Application

## viewstation application gallery

There are no limitations when it comes to your **viewstation** display applications. Whether your display is indoor or out, **viewstation** is the ideal protection for your large format plasma or LCD. Airports, stadiums and shopping malls are just a few of the countless places the **viewstation** can be utilized.

Below are examples of the **viewstation** being used in various settings and places. To see the full gallery, please visit [www.viewstation.com](http://www.viewstation.com).







## Retail Kiosk

viewstation retail kiosk is designed for quick and easy access around your retail facility. As the uses of kiosks continue to expand, kiosks are being found in facets of our lives that we previously never dreamed of.



### key features:

- Card reader
- LCD touchscreen
- Receipt printer
- Keyboard/mouse
- Bill/coin acceptor
- Integrated speakers
- Static signage
- Custom graphics available
- Bar code reader
- Full electronics integration available

### With viewstation Custom Kiosks, Application Ideas are Endless!

- Instant credit
- Retail
- Ticket distribution
- ATM
- Bill payment
- Public internet access
- Store registry
- *Many more*

Call your **ITSENCLOSURES** representative today at 1-800-423-9911 to place a custom order.



HEATING  COOLING options (See pages 36-42 for details)

## Commercial Kiosk

viewstation Kiosk is designed to enclose a wide variety of equipment such as a PC, LCD Display and Panel Mounted Keyboard. This Kiosk enclosure can be floor or wall-mounted and used in conjunction with various hardware and software applications. It can be custom configured to meet your requirements and is available in both NEMA 4 and NEMA 4X ratings. **ITSENCLOSURES** offers Standard, Custom and OEM Manufacturing capabilities.



### Kiosks can be used in any of the following applications:

- Human resources
- Order entry
- Ticketing
- Bill payment
- Photo kiosks
- Music download
- Public internet access
- POS instant credit
- *Many more...*

#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING
ISKW302220-04-XX-17 (wall mounted)	30.00"H x 22.00"W x 20.00"D	4, 4X
ISKS662220-04-XX-17 (free standing)	66.00"H x 22.00"W x 20.00"D	4, 4X

Custom Models Available

**HEATING**  **COOLING**  options (See pages 36-42 for details)



For more information about designing a **KIOSK** for your specific application, please call an **ITSENCLOSURES** representative at 1-800-423-9911.



## Complete Customization Available



— Customize with your logo or different colors —

### Kiosks can be completely customized with your choice of optional accessories:

- Keyboards
- Touch screen displays
- Logo placement
- Custom colors
- Card readers
- Climate control units
- Paper feed

Keyboards



Kiosks from **ITSENCLOSURES** are available with your choice of display.

Card reader





## Popular Configurations

Mix and match compatible **icestations** and accessories to develop a "custom" enclosure for your needs.



IS66, PL4, Purge



IS36, ROKE 1, ST2328, ID23



ID28, ROKE 1, ST2328, AP3343



IS66, KTE, HPD



IS56, FWD, FS20, HE30012



ID32, AMP3233



**icestation**  
**TITAN**  
by ITSENCLOSURES



IS36, ROKE 1, TMA, IM18



IS48, TW15, IM18



ID28, ROKE 1, AMP3233



## A Strong Defense Against the Enemy IP Family of Desktop PC/Enclosures

You can't always see them, but they're there – enemies poised to attack your PC. Particulate-laden air, dirt and liquids can all wreak havoc on the performance of your PC. Luckily, **ITSENCLOSURES'** IP family of products can defend against these enemies, keeping your PC safe in any environment.

The IP enclosures have a NEMA 12 rating, which is intended for indoor use to provide protection against dust, falling dirt and dripping non-corrosive liquids. In order to maintain the NEMA 12 rating of its IP models, **ITSENCLOSURES** mounts the keyboard/mouse connector plug on the inside of each unit. Available in putty, blue or gray, the four IP enclosures are completely assembled and ready to use upon delivery.

### features & benefits:

The IP family includes four models - three desktop and one tower enclosure. All models feature lockable front doors, which maintain your system's security while still providing you with easy access. The enclosures' rear split panels provide easy cable access for your PC.

**HEATING**  **COOLING** (See pages 36-42 for details)  
options



### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
IP82021-12-B *	8.00"H x 20.00"W x 21.00"D	12	BLUE
IP82021-12-G *	8.00"H x 20.00"W x 21.00"D	12	GRAY
IP82021-12-P *	8.00"H x 20.00"W x 21.00"D	12	PUTTY
IP102621-12-B	10.00"H x 26.00"W x 21.00"D	12	BLUE
IP102621-12-G	10.00"H x 26.00"W x 21.00"D	12	GRAY
IP102621-12-P	10.00"H x 26.00"W x 21.00"D	12	PUTTY
IP122826-12-B	28.00"H x 12.00"W x 26.00"D	12	BLUE
IP122826-12-G	28.00"H x 12.00"W x 26.00"D	12	GRAY
IP122826-12-P	28.00"H x 12.00"W x 26.00"D	12	PUTTY
IP152621-12-B	15.00"H x 26.00"W x 21.00"D	12	BLUE
IP152621-12-G	15.00"H x 26.00"W x 21.00"D	12	GRAY
IP152621-12-P	15.00"H x 26.00"W x 21.00"D	12	PUTTY

\* Lead time is 6-8 weeks



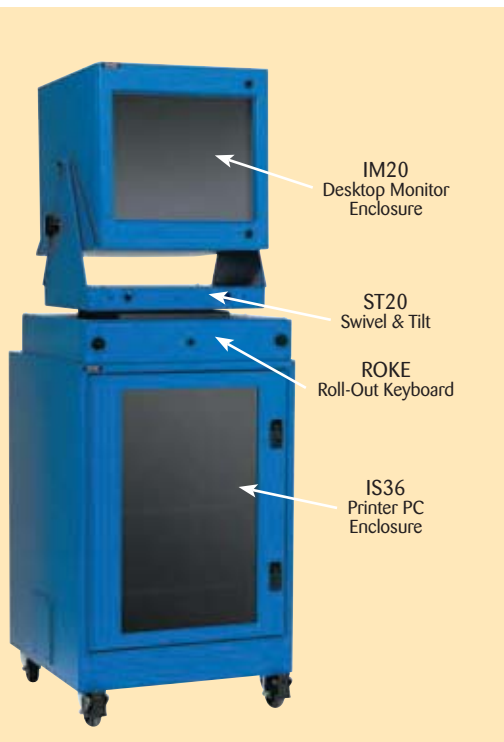
## Must-Have Monitor Protection

### IM Family of Desktop Monitor Enclosures

Your PC would be rendered useless without your monitor, so it's important to provide protection for it, too. The same enemies that can harm your PC – dust and liquids – also can do damage to your monitor. **ITSENCLOSURES'** IM family of products offers two enclosures that provide a safe haven for desktop CRT monitors in even the most dangerous surroundings.

If you don't see exactly what you need, you don't have to worry. **ITSENCLOSURES** can integrate its products to give you a customized enclosure that meets your needs.

An effective combination is the IM20 desktop monitor enclosure with the IS36 printer/PC enclosure, which provides complete protection for your entire system. The IM20 can be enhanced with the ST20 Swivel & Tilt support accessory (pictured). The ST20 securely cradles the enclosure and gives you increased maneuverability and viewing options for your monitor. A roll-out keyboard can also be added, providing protection for your keyboard while maintaining easy accessibility.



**HEATING**  **COOLING** (See pages 36-42 for details)  
*options*

The IM enclosures can have either a NEMA 12 or a NEMA 4 rating. The NEMA 12 rating means the enclosure is intended for indoor use to provide protection against dust, falling dirt and dripping non-corrosive liquids. The NEMA 4 rating means the enclosure is intended for indoor or outdoor use to provide protection against windblown dust and rain, splashing water and hose directed water and can withstand external ice formation. Available in putty, blue or gray, the two IM enclosures are completely assembled and ready to use upon delivery.



IM20



IM18

#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
IM181820-04-B-15*	18.50"H x 18.50"W x 20.00"D	4	BLUE
IM181820-04-G-15*	18.50"H x 18.50"W x 20.00"D	4	GRAY
IM181820-04-P-15*	18.50"H x 18.50"W x 20.00"D	4	PUTTY
IM181820-12-B-15*	18.50"H x 18.50"W x 20.00"D	12	BLUE
IM181820-12-G-15*	18.50"H x 18.50"W x 20.00"D	12	GRAY
IM181820-12-P-15*	18.50"H x 18.50"W x 20.00"D	12	PUTTY
IM202022-04-B-17	20.00"H x 20.00"W x 22.50"D	4	BLUE
IM202022-04-G-17	20.00"H x 20.00"W x 22.50"D	4	GRAY
IM202022-04-P-17	20.00"H x 20.00"W x 22.50"D	4	PUTTY
IM202022-12-B-17	20.00"H x 20.00"W x 22.50"D	12	BLUE
IM202022-12-G-17	20.00"H x 20.00"W x 22.50"D	12	GRAY
IM202022-12-P-17	20.00"H x 20.00"W x 22.50"D	12	PUTTY

\* Lead time is 6-8 weeks

#### features & benefits:

Both IM models feature lockable front doors, which maintain your monitor's security while still providing you with easy access. The enclosures' rear split panels make it easy to access cables and manage your monitor, and each IM model also features a recessed window that reduces glare and allows you to see your monitor more easily. The IM models also include a hold down bracket to prevent the monitor from toppling.





## Printer Enclosures

A lot of thought, time and energy goes into protecting your computer equipment ... Don't forget about your printers! **ITSENCLOSURES** can provide you the same NEMA rated quality for your unique printing applications.

### IS36 Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
<b>IS362626-B</b>	36.00"H x 26.00"W x 26.00"D	12	BLUE
<b>IS362626-G</b>	36.00"H x 26.00"W x 26.00"D	12	GRAY
<b>IS362626-P</b>	36.00"H x 26.00"W x 26.00"D	12	PUTTY

The IS36 Printer PC Enclosure, designed to accommodate computer, printer and peripherals, also features two adjustable ventilated shelves that absorb shock and offer you maximum flexibility when positioning your equipment. Its industrial-grade casters allow easy movement, but also lock in place for extra stability when you want your enclosure to stay put. The IS36 also features lockable front and rear doors, which maintain your system's security while still providing you with easy access. A tool-free rear split panel on this model makes it easy to access cable and manage your equipment and its full-view door allows easy monitoring.

With its stainless steel construction, the PB28 and PB36 printer enclosure is NEMA 4X rated and ideal for industrial environments where corrosive liquids are a threat to the safety of your equipment. Its 14-gauge steel body and 12-gauge steel door and bottom will provide you with the protection you need. A solid front door that hinges on the left offers a 115-degree open rotation with two hand operable quarter turn latches. You can access your printed materials through a 8 X 14-inch opening that's protected by a solid stainless door cover hinged at the lower edge that's capable of a NEMA 4X seal. When open, the door is capable of supporting a fixed slotted Lexan® protective window that allows you to easily monitor your equipment. The enclosure also features a sliding shelf assembly with 120-pound rotated 24-inch slides. Its support leg assembly is fully welded to the enclosure's bottom and includes leveling and bolt down capability. A handy box mount, and 115-volt duplex receptacle and cover also are included.



IS36

PB362325-4X

PB282325-4X

The PB362325 printer enclosure is identical to the PB282325-4X except it offers a wider door opening at 20 X 32.5 inches.



PB202024



The NEMA 12-rated PB202024-12 is designed to house your bar code printer. Its sound construction will protect your printer from dust and non-corrosive liquids, and a convenient label slot provides for easy access to your printed labels.

**HEATING**  **COOLING** (See pages 36-42 for details)  
options

### Printer Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
<b>PB202024-12-BL</b>	20.00"H x 20.00"W x 24.00"D	12	BLACK
<b>PB282325-4X</b>	28.00"H x 23.00"W x 25.00"D	4X	STAINLESS STEEL
<b>PB362325-4X</b>	36.00"H x 23.00"W x 25.00"D	4X	STAINLESS STEEL



## Two In One

### ID Family of Desktop PC/Monitor Enclosures

ITSENCLOSURES' ID family of products allows you to protect both your PC and monitor in one enclosure. Five different models ensure that you can find the enclosure that's best for your environment.

**HEATING**  **COOLING** (See pages 36-42 for details)  
options



The ID32 Desktop PC/Monitor Enclosure is similar to the other models except that it features an independently sealed keyboard drawer and contoured sides. Its tool-free split panel allows for quick and easy cable access. The ID32 is a NEMA 12 rated enclosure, meaning it is intended for indoor use to provide protection against dust, falling dirt and dripping non-corrosive liquids.

The ID23 Desktop PC/Monitor Enclosure and the ID26 Tower PC/Monitor Enclosure have a NEMA 12 rating, which means both models are intended for indoor use to provide protection against dust, falling dirt and dripping non-corrosive liquids. The keyboard/mouse connector plug is mounted inside each unit to maintain its NEMA 12 rating. The two enclosures also feature an adjustable, ventilated shelf that offers you maximum flexibility when positioning your equipment. Available in putty, blue or gray, the ID23 and ID26 are completely assembled and ready to use upon delivery.

The ID28 Desktop PC/Monitor Enclosure is designed to hold a larger monitor and is available in a NEMA 12, NEMA 4 or NEMA 4X rating. The NEMA 4 rating means the enclosure is intended for indoor or outdoor use to provide protection against windblown dust and rain, splashing water and hose directed water and is undamaged by external ice formation. The NEMA 4X rating adds corrosion protection to the NEMA 4 characteristics. Available in putty, blue, gray or 304 stainless steel, the ID28 is completely assembled and ready to use upon delivery.

#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
ID232521-04-B-19 *	23.00"H x 25.00"W x 21.00"D	4	BLUE
ID232521-04-G-19 *	23.00"H x 25.00"W x 21.00"D	4	GRAY
ID232521-04-P-19 *	23.00"H x 25.00"W x 21.00"D	4	PUTTY
ID232521-12-B-19 *	23.00"H x 25.00"W x 21.00"D	12	BLUE
ID232521-12-G-19 *	23.00"H x 25.00"W x 21.00"D	12	GRAY
ID232521-12-P-19 *	23.00"H x 25.00"W x 21.00"D	12	PUTTY
ID232521-4X-X-19 *	23.00"H x 25.00"W x 21.00"D	4X	STAINLESS STEEL
ID263226-12-B-21 *	26.00"H x 32.00"W x 26.00"D	12	BLUE
ID263226-12-G-21 *	26.00"H x 32.00"W x 26.00"D	12	GRAY
ID263226-12-P-21 *	26.00"H x 32.00"W x 26.00"D	12	PUTTY
ID282526-12-B-21	28.00"H x 25.00"W x 26.00"D	12	BLUE
ID282526-12-G-21	28.00"H x 25.00"W x 26.00"D	12	GRAY
ID282526-12-P-21	28.00"H x 25.00"W x 26.00"D	12	PUTTY
ID282626-04-B-21	28.00"H x 26.00"W x 26.00"D	4	BLUE
ID282626-04-G-21	28.00"H x 26.00"W x 26.00"D	4	GRAY
ID282626-04-P-21	28.00"H x 26.00"W x 26.00"D	4	PUTTY
ID282626-4X-X-21	28.00"H x 26.00"W x 26.00"D	4X	STAINLESS STEEL
ID322826-12-B-21	32.00"H x 28.00"W x 26.00"D	12	BLUE
ID322826-12-BL-21	32.00"H x 28.00"W x 26.00"D	12	BLACK
ID322826-12-G-21	32.00"H x 28.00"W x 26.00"D	12	GRAY
ID322826-12-P-21	32.00"H x 28.00"W x 26.00"D	12	PUTTY

\* Lead time is 6-8 weeks



#### features & benefits:

All ID models feature lockable front and rear doors, which maintain your system's security while still providing you with easy access. A tool-free rear split panel on the ID23, ID28 and ID32 models makes it easy to access cables and manage your monitor and PC. Four of the five models feature a recessed window that reduces glare and allows you to see your monitor more easily. All ID models include a hold down bracket to prevent the monitor from toppling.



## Winning Combination

### ID Family of Desktop PC/Monitor Enclosures

Another example of **ITSENCLOSURES'** ability to integrate its products to provide you with the enclosure that best meets your needs is the ID34 Desktop PC/Monitor Enclosure with the OAP3242 Operator Adjustable Pedestal accessory. This combination, ideal for any shop floor, warehouse or loading dock, allows you to place your computer exactly where you need it, and then adjust its height based upon your requirements.

MODEL	DIMENSIONS	NEMA RATING	COLOR
ID342626-04-B-25	34.00"H x 26.00"W x 26.00"D	4	BLUE
ID342626-04-G-25	34.00"H x 26.00"W x 26.00"D	4	GRAY
ID342626-04-P-25	34.00"H x 26.00"W x 26.00"D	4	PUTTY
ID342626-4X-X-25	34.00"H x 26.00"W x 26.00"D	4X	STAINLESS STEEL

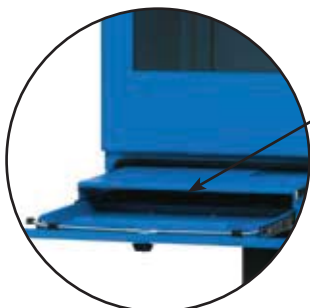
HEATING  COOLING  (See pages 36-42 for details)  
options



The Operator Adjustable Pedestal allows you to securely position your computer wherever you need it. The pedestal's handle gives you the flexibility to raise and lower your computer, according to your height or desired comfort level. The enclosure is securely fastened to a swivel base.

Designed to meet the challenges of the harshest of environments, the ID34 features lockable front and rear doors, which maintain your system's security while still providing you with easy access. An adjustable, ventilated shelf absorbs shock and offers you maximum flexibility when positioning your equipment, and a tempered glass or Lexan® 25" window allows for easy viewing while providing extra protection. Another feature of the ID34 is a dual-level, rollout keyboard drawer/work surface that provides a convenient workspace and ergonomic access to your keyboard and mouse. Able to accommodate a computer and monitor up to 21 inches, the ID34 also includes a hold-down bracket that prevents the monitor from toppling. The ID34 is available in a NEMA 4 or 4X rating.

Available in putty, blue, gray or 304 stainless steel, the ID34 is completely assembled and ready to use upon delivery.



**ITSENCLOSURES** also offers additional accessories for the ID34 that allow you to customize the enclosure to best meet your needs.



## Keeping the Bad At Bay

### IS Family of Stand-Up PC/Monitor Enclosures

A harsh, industrial environment is no place for computer equipment – unless it's protected by **ITSENCLOSURES** products. These enclosures are designed to keep dust, water and other contaminant's from your PCs, monitors and printers.



In addition to a NEMA 12 rating, the IS56 Stand-Up PC/Monitor Enclosure also is available in NEMA 4 and NEMA 4X ratings. The NEMA 4 rated enclosure is intended for indoor or outdoor use to provide protection against windblown dust and rain, splashing water and hose directed water and can withstand external ice formation. The NEMA 4X rated enclosure adds corrosion protection to the NEMA 4 characteristics. All three models of the IS56 boast a 20-degree angled monitor window that allows for ergonomic viewing with reduced enclosure height, and three adjustable ventilated shelves that absorb shock and offer you maximum flexibility when positioning your equipment. The IS56 NEMA 4X model also is available in 316 stainless steel.

Monitoring your equipment also is easy with the IS48 Console PC/Monitor Enclosure's recessed window that helps reduce glare. The enclosure's three adjustable ventilated shelves absorb shock and offer you maximum flexibility when positioning your equipment. To maintain its NEMA 12 rating, the IS48's keyboard/mouse connector plug is mounted below the keyboard tray (door-mounted keyboard tray included). While different in size, **ITSENCLOSURES'** IS66/26, IS66/30 and IS66/36 share the IS48's features.



#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
IS482626-12-B-21 *	48.00"H x 26.00"W x 26.00"D	12	BLUE
IS482626-12-G-21 *	48.00"H x 26.00"W x 26.00"D	12	GRAY
IS482626-12-P-21 *	48.00"H x 26.00"W x 26.00"D	12	PUTTY
IS562626-04-B-21	56.00"H x 26.00"W x 26.00"D	4	BLUE
IS562626-04-G-21	56.00"H x 26.00"W x 26.00"D	4	GRAY
IS562626-04-P-21	56.00"H x 26.00"W x 26.00"D	4	PUTTY
IS562626-12-B-21	56.00"H x 26.00"W x 26.00"D	12	BLUE
IS562626-12-G-21	56.00"H x 26.00"W x 26.00"D	12	GRAY
IS562626-12-P-21	56.00"H x 26.00"W x 26.00"D	12	PUTTY
IS562626-4X-X-21	56.00"H x 26.00"W x 26.00"D	4X	STAINLESS STEEL
IS662626-12-B-21	66.00"H x 26.00"W x 26.00"D	12	BLUE
IS662626-12-G-21	66.00"H x 26.00"W x 26.00"D	12	GRAY
IS662626-12-P-21	66.00"H x 26.00"W x 26.00"D	12	PUTTY
IS663030-12-B-19 *	66.00"H x 30.00"W x 30.00"D	12	BLUE
IS663030-12-G-19 *	66.00"H x 30.00"W x 30.00"D	12	GRAY
IS663030-12-P-19 *	66.00"H x 30.00"W x 30.00"D	12	PUTTY
IS663636-12-B *	66.00"H x 36.00"W x 36.00"D	12	BLUE
IS663636-12-G *	66.00"H x 36.00"W x 36.00"D	12	GRAY
IS663636-12-P *	66.00"H x 36.00"W x 36.00"D	12	PUTTY

\* Lead time is 6-8 weeks

**HEATING**  **COOLING**  
options  
(See pages 36-42 for details)





## Protection Is the Name Of the Game

### IS FAMILY of Stand-Up PC/Monitor Enclosures with Integrated Keyboard Drawer

This IS product group also features Industrial-grade casters that allow easy movement, but also lock in place for extra stability when you want your enclosure to stay put. These enclosures also feature lockable front and rear doors, which provide you with easy access while maintaining your system's security. Available in putty, blue and gray, these products are completely assembled and ready to use upon delivery.

IS662628-04-P-25



IS662828-12-B-21

#### features & benefits:

The IS60 Stand-Up PC/Monitor Enclosure features contoured sides that make the cabinet more visually appealing. The IS60's three adjustable, ventilated shelves offer you maximum flexibility when positioning your equipment, and its independently sealed keyboard/mouse drawer maintains protection for the enclosed equipment even when the keyboard drawer is extended.

Almost identical to the IS60, but without the contoured sides, the IS68 Stand-Up PC/Monitor Enclosure is taller with a lockable, independently sealed keyboard tray that provides secure, easy access to peripherals.

#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
IS602826-12-B-21	60.00"H x 28.00"W x 26.00"D	12	BLUE
IS602826-12-BL-21	60.00"H x 28.00"W x 26.00"D	12	BLACK
IS602826-12-G-21	60.00"H x 28.00"W x 26.00"D	12	GRAY
IS602826-12-P-21	60.00"H x 28.00"W x 26.00"D	12	PUTTY
IS662628-04-B-25	66.00"H x 26.00"W x 28.00"D	4	BLUE
IS662628-04-G-25	66.00"H x 26.00"W x 28.00"D	4	GRAY
IS662628-04-P-25	66.00"H x 26.00"W x 28.00"D	4	PUTTY
IS662628-4X-X-25	66.00"H x 26.00"W x 28.00"D	4X	STAINLESS STEEL
IS662828-12-B-21	66.00"H x 28.00"W x 28.00"D	12	BLUE
IS662828-12-G-21	66.00"H x 28.00"W x 28.00"D	12	GRAY
IS662828-12-P-21	66.00"H x 28.00"W x 28.00"D	12	PUTTY
*IS682826-12-B-21	68.00"H x 28.00"W x 26.00"D	12	BLUE
*IS682826-12-G-21	68.00"H x 28.00"W x 26.00"D	12	GRAY
*IS682826-12-P-21	68.00"H x 28.00"W x 26.00"D	12	PUTTY

\* Lead time is 6-8 weeks

#### features & benefits:

**ITSENCLUSURES'** IS66/26/28 Stand-Up PC/Monitor Enclosure features 12-gauge construction and is available in NEMA 4 and NEMA 4X ratings. The NEMA 4 rated enclosure is intended for indoor or outdoor use to provide protection against windblown dust and rain, splashing water and hose directed water and can withstand external ice formation. The NEMA 4X rated enclosure provides corrosion protection in addition to the NEMA 4 characteristics. Both models feature a tempered glass or Lexan® window that provides easy viewing and extra protection. Three adjustable, ventilated shelves absorb shock and offer maximum flexibility when positioning your equipment. The IS66/28 offers the ergonomically correct dual-level keyboard enclosure to increase operator comfort and efficiency.

The contoured sides of the NEMA 12 rated IS60 and IS68 Stand-Up PC/Monitor Enclosure (Pictured Below) make the cabinet more visually appealing. Its rear-hinged, split panel allows for quick cable access and management. The IS68's adjustable shelves offer maximum flexibility when positioning your equipment, and its lockable, independently sealed roll-out keyboard tray provides you with easy access to your input devices. Even with the keyboard tray extended, you can be sure the equipment inside the enclosure is still being protected.



IS682826-12-B-21





## Perfect For Industrial Applications

### Industrial Rack-Mount Enclosures

**ITSENCLOSURES** offers several dust free and cooled rack enclosures that provide a secure environment for your electronic equipment.

Ideal for industrial settings, these enclosures feature lockable front and rear doors and removable side panels that provide you with easy access while maintaining equipment security. All models are completely assembled and ready to use upon delivery.



IS36    IR72192438-12-B    IR72192438-12-P    IR72192438-12-BL



(See pages 36-42 for details)



#### Rack-Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR	RACK-MOUNT SPACE
<b>IS362626-B</b>	36.00"H x 26.00"W x 26.00"D	12	BLUE	16u
<b>IS362626-G</b>	36.00"H x 26.00"W x 26.00"D	12	GRAY	16u
<b>IS362626-P</b>	36.00"H x 26.00"W x 26.00"D	12	PUTTY	16u
<b>IR72192438-12-B</b>	72.00"H x 24.00"W x 38.00"D	12	BLUE	38u
<b>IR72192438-12-BL</b>	72.00"H x 24.00"W x 38.00"D	12	BLACK	38u
<b>IR72192438-12-G</b>	72.00"H x 24.00"W x 38.00"D	12	GRAY	38u
<b>IR72192438-12-P</b>	72.00"H x 24.00"W x 38.00"D	12	PUTTY	38u
<b>IR72242938-12-BL</b>	72.00"H x 29.00"W x 38.00"D	12	BLACK	38u
<b>IR72242938-12-P</b>	72.00"H x 29.00"W x 38.00"D	12	PUTTY	38u
<b>*IR80192438-12-BL</b>	80.00"H x 24.00"W x 38.00"D	12	BLACK	42u
<b>*IR80192438-12-P</b>	80.00"H x 24.00"W x 38.00"D	12	PUTTY	42u
<b>*IR82242938-BL</b>	82.00"H x 29.00"W x 38.00"D	4	BLACK	42u
<b>*IR82242938-04-P</b>	82.00"H x 29.00"W x 38.00"D	4	PUTTY	42u
<b>*IR82242938-04-B</b>	82.00"H x 29.00"W x 38.00"D	4	BLUE	42u

\* Lead time is 6-8 weeks

#### features & benefits:

The removable side panels and four split panels (two on top, and two on the bottom) on the IR72-19, 24 and the IR80 models make cabling adaptable to your needs. All models are mobile, thanks to our industrial-grade casters that allow for easy movement. When you need extra stability, the front casters can be locked into place or the enclosure can be bolted to the floor with our optional bolt down legs. The IR72-19, IR72-24 and IR80 enclosures come standard with square-punched rails and #10-32 or 6mm clip nuts; and tapped #10-32 mounting rails are also available. The mounting rails are adjustable front to rear, giving you flexibility in equipment installation. Rated NEMA 12, the enclosures are intended for indoor use to provide protection against dust, falling dirt and dripping non-corrosive liquids. The enclosures can be bolted together for modular applications and both the front and rear doors, have a lockable three-point latching system for added protection. The front door offers a partial view glass window. The rear door is solid and allows for attachment of any of our thermal management products.



## Perfect For Industrial Applications

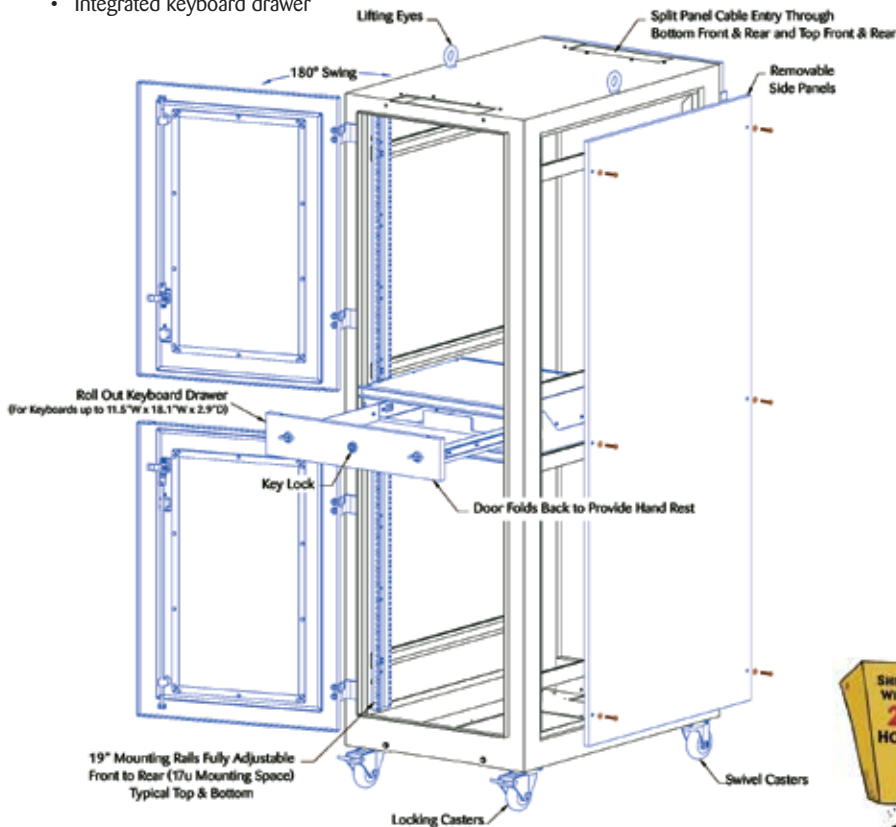
### Industrial Rack-Mount Enclosures

Now you can access your rack mount equipment without jeopardizing NEMA integrity. The IRWR72 comes standard with an independently sealed rollout keyboard drawer that gives you easy data access in a protected environment.

**HEATING**  **COOLING**  (See pages 36-42 for details)

#### features & benefits:

- 19" rack type 12 enclosure
- 12 gauge steel frame and doors
- 16 gauge steel side panels
- Enclosures may be interconnected
- Integrated keyboard drawer



IRWR72192438-12-BL



#### Rack-Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	COLOR	RACK-MOUNT SPACE
IRWR72192438-12-B	72.00"H X 24.00"W X 38.00"D	12	BLUE	34u
IRWR72192438-12-BL	72.00"H X 24.00"W X 38.00"D	12	BLACK	34u
IRWR72192438-12-P	72.00"H X 24.00"W X 38.00"D	12	PUTTY	34u



## Up for the challenge

### SLOPED TOP FAMILY of NEMA 4X Products

**ITSENCLOSURES' ID42 Desktop PC/Monitor Enclosure** with the spun stainless pedestal and the **IS73 Stand-Up PC/Monitor Enclosure** are designed to meet the challenges of the harshest environments. This Stainless Steel line of products from **ITSENCLOSURES** are ideal for wash down applications in the food, beverage and pharmaceutical industries.



#### features & benefits:

The ID42 features lockable front and rear doors, which maintain your system's security while still providing you with easy access. Its 12-gauge stainless steel construction with a sloped top makes for a solid, clean product. A ventilated stainless steel shelf absorbs shock and offers you maximum flexibility when positioning your equipment, and a tempered glass or Lexan® 23" window allows for easy viewing while providing extra protection. Another feature of the ID42 is a dual-level, roll-out keyboard drawer/work surface that provides a convenient workspace and ergonomic access to your keyboard and mouse.

The ID42 boasts a NEMA 4X rating, meaning the enclosure is approved for indoor or outdoor use to provide protection against corrosion, windblown dust and rain, splashing water and hose directed water and is undamaged by external ice formation. The ID42 is available in electro-polished or #3F 304 stainless steel and is completely assembled and ready to use upon delivery.

The Spun Stainless Pedestal for the ID42 is unique in that there are no cracks or crevices on its smooth surface, thus eliminating the chance of dirt, water or bacteria accumulation. The sturdy pedestal bolts to both the floor and the enclosure, making a rock-solid unit.



#### features & benefits:

The IS73 features 12-gauge stainless steel construction with a sloped top. Four Industrial-grade casters (two locking) or bolt-down legs (option) ensure product stability and add 4.7" to the enclosure's overall height. Its lockable front and rear doors maintain your system's security while still providing you with easy access, and a tempered glass or Lexan® 23" window allows for easy viewing while providing extra protection. Three adjustable, ventilated stainless steel shelves absorb shock and offer you maximum flexibility in positioning your equipment, while the IS73's sloped ergonomically correct keyboard tray increases operator comfort and efficiency. Available in electro-polished or #3F 304 stainless steel, the IS73 is completely assembled and ready to use upon delivery.



Flat panel devices from **ITSENCLOSURES** are available with or without touch-screen.

**ITSENCLOSURES** offers a variety of support products for the ID42 and IS73 including heating and cooling devices, drawers and shelves, pedestals and supports, rails, legs, doors and sub-panels.

#### Enclosure Models Available

MODEL	DIMENSIONS	NEMA RATING	STAINLESS STEEL FINISH
<b>ID42-4X *</b>	42.00"H x 26.00"W x 26.00"D	4X	STAINLESS STEEL
<b>ID42-4X-E *</b>	42.00"H x 26.00"W x 26.00"D	4X	ELECTROPOLISHED
<b>IS73-26-4X *</b>	73.00"H x 26.00"W x 26.00"D	4X	STAINLESS STEEL
<b>IS73-26-4X-E *</b>	73.00"H x 26.00"W x 26.00"D	4X	ELECTROPOLISHED

\* Lead time is 6-8 weeks



## An Interface That's in Your Face

If you're looking for the best way to protect your operator interface terminal, look no further.

**ITSENCLOSURES** offers Operator Interface Systems, the "IO Enclosure Series," that is ideal for protecting your flat panel display, thin client or small profile PC.

This series features a locking door with a full-view window and can be easily custom mounted to both extension and pendant arm products. By combining the enclosures with the pendant and extension arm products you can create a more comfortable and convenient work environment for your operator, no matter his or her height.

The NEMA 4-rated enclosures are made of carbon steel and available in blue and gray. The NEMA 4X-rated enclosure, made of stainless steel with a sloped top to prevent water pooling, is ideal for the pharmaceutical and food industries.

### Custom Video Displays Available

MODEL	DIMENSIONS	NEMA RATING	COLOR
IO28268-04-X-22	28.00"H x 26.00"W x 8.00"D	4	BLUE, GRAY
IO28268-4X-X-22	28.00"H x 26.00"W x 8.00"D	4X	STAINLESS STEEL
IO292613-04-X-22	29.00"H x 26.00"W x 13.00"D	4	BLUE, GRAY
IO292613-4X-X-22	29.00"H x 26.00"W x 13.00"D	4X	STAINLESS STEEL
IOKTF-X	Fixed Keyboard Tray	N/A	BLUE/GRAY
IOKTF-SS	Fixed Keyboard Tray	N/A	STAINLESS STEEL
IOKTFD-SS	Fold Down Keyboard Tray	N/A	STAINLESS STEEL
IOKTFD-X	Fold Down Keyboard Tray	N/A	BLUE/GRAY
IOUMB	Universal Mounting Bracket	N/A	BLACK
IOUMB-SS	Universal Mounting Bracket	N/A	STAINLESS STEEL



### ROXTEC Sealing System:

The Roxtec sealing system is modular. Multidiameter modules with a frame and a compression unit are used to seal pipe and cable penetrations.

The frame is installed on the unit and the cables are routed through it. The modules are adjusted by peeling off a layer so that the diameter of the hole corresponds to the cable or the pipe. The modules are then installed around the cables or pipes in the frame. Once the compression unit has been tightened, a reliable seal is created.



IOUMB  
Universal Mounting Bracket



IOKTF  
Fixed Keyboard Tray



IOKTFD  
Folding Keyboard Tray



IO28268-04-B-22



IO292613-4X-X-22

The "IO Enclosures Series" from **ITSENCLOSURES** is ideal for protecting your flat panel display, thin client or small profile PC. When combined with our wide variety of pendent and extension arm products, they provide your operator, short or tall, with comfort and convenience right on the plant floor. Their availability in NEMA 4 or 4X makes them ideal for any operating environment.



## Daisy Data Purge Controls

If you work in a hazardous area and need peripherals that stand up to your surroundings, Daisy Data manufactures the device for you.

### Series 9017 Z-Purge Control

The Series 9017 Z-Purge Control from Daisy Data is factory mutual approved for Class I and Class II, Division 2, Group B-G. Completely assembled for easy installation, the Series 9017 features a short purge time of less than two minutes per cubic foot. The 9017 boasts a low internal pressure and a built-in vent valve with a spark arrestor, and its built-in flow meter and pressure gauge allow for easy set-up and operation. It is suitable for enclosures measuring one cubic foot to 50 cubic feet. Several options are available with the 9017, including a pressure switch with alarm contacts and an LED indicator that alerts the user and triggers the Watchdog System if air pressure is lost. Another option is the over-pressure relief valve, which prevents enclosure distortion and hazards caused by accidental enclosure pressurization. A Pac-Seal kit and an air connection kit also are available.

DD9017  
Z-Purge



DD9016  
X-Purge



Nema 4 integrated  
Flat Panel Monitor

### Series 9016 X-Purge Control

The Series 9016 X-Purge Control from Daisy Data is factory mutual approved for Class I and Class II, Division 1, Group C-G hazardous areas. It comes completely assembled with all required parts – solenoids, air-in gauge, regulator, outlet valve and spark arrestor. Featuring an automatic self-adjusting microprocessor controlled purge system with self-diagnostics, the Series 9016 boasts a short purge time of less than one minute per cubic foot. It can be used on enclosures measuring one cubic foot to 50 cubic feet and offers a full set of power and signal interlocks, alarm contacts and up to 31 signals. There is no constant air trickle with the Series 9016 because it only uses compressed air when the internal pressure drops below the preset level, making it cost-effective and environmentally friendly. The interface box mounts externally on any of the enclosure's six walls, eliminating the use of additional internal enclosure space. And with its compact design, the 9016 easily can be mounted vertically, horizontally or flush. You can order a variety of options with the 9016, including a Pac-Seal kit, an air connection kit, I.S. keyboards and pointing devices and video/keyboard/pointing device extender systems.

### Daisy Data Models Available

MODEL	DESCRIPTION
DD-9016	Class I and Class II, Division 1, Group C-G
DD-9026	PAC-Seal Fitting, Fiber Packing, Sealing Compound, Gloves, Face Mask and Measure
DD-9047	Air Regulator, Air Dryer, Line Filter, and Pressure Gauge
DD-9017	Class I & II, Division 2 Group A-G
DD-915	Pressure Alarm Switch Switch Kit w/ 2 Form C Contacts
DD-917	Over Pressure Relief Valve



**netstation**  
PROFESSIONAL

## Meeting Your IT Enclosure Needs

### Network Enclosure

**ITSENCLOSURES netstation** product line offers several enclosure options for the IT marketplace that organize and secure servers and network equipment. **netstation** enclosures are compatible with the rackmounting requirements for servers from Dell®, IBM®, Compaq® and HP® as well as non-standard network peripherals. Offering the latest in ventilation, cable management and shelving options, netstation enclosures provide you with the utmost in configuration flexibility.



NS302437-CL-P-XX

NS40



Lockable Quick Access Side Panels

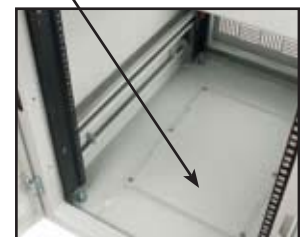
### features & benefits:

Ideal for space-sensitive applications, the NS30 Network Enclosure and NS40 Network Enclosure feature lockable front and rear doors that provide you with easy access while maintaining equipment security. Their removable side panels allow the enclosures to be bolted together for modular applications and they also can lock for security. A reversible, full-view glass door makes monitoring equipment easy and increases your options for placement. Openings in the top and bottom allowing for cable entry and exit give you complete functionality. The enclosures' 20u of rack-mount space and 10-32 or 6mm hardware-compatible design allow you to organize a wide variety of network equipment. Available in putty or black, the enclosures include casters and are completely assembled and ready to use upon delivery.

**ITSENCLOSURES** also offers a variety of support products for this **netstation** group including cooling devices, drawers and shelves, cable management, doors, filler panels and keyboard shelves.



Easy Access Top & Bottom Cable Ways



### Rack-Enclosure Models Available

MODEL	DIMENSIONS	COLOR	RACK-MOUNT SPACE
NS302437-CL-XX	34.00"H X 24.00"W X 37.00"D	BLACK/PUTTY	15u
NS30HV-XX (high ventilation)	34.00"H X 24.00"W X 37.00"D	BLACK/PUTTY	15u
NS40-XX	42.00"H X 24.00"W X 37.00"D	BLACK/PUTTY	20u
NS40-HV-XX (high ventilation)	42.00"H X 24.00"W X 37.00"D	BLACK/PUTTY	20u



## More Than One Way To Ensure Network Security

### Network Enclosure

ITSENCLOSURES offers a variety of enclosure options for the IT marketplace that organize and secure servers and network equipment.

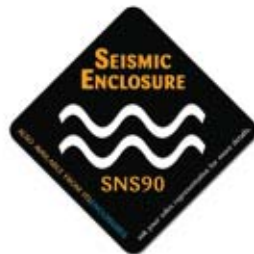
**netstation  
PROFESSIONAL**

#### features & benefits:

The lockable front and rear doors on the NS80 Network Enclosure provide you with easy access to your equipment while still maintaining its security. Removable side panels that allow the enclosures to be bolted together for modular applications also can be locked for security. A reversible, full-view glass door makes monitoring equipment easy and increases your options for placing the enclosure. Openings in the top and bottom allowing for cable entry and exit give you complete functionality, and the enclosure's 42u of mount space and 10-32 or 6mm hardware-compatible design allow you to organize a wide variety of network equipment. The NS80 is compatible with equipment from a variety of vendors, including Dell®, IBM®, Compaq® and HP® (with appropriate hardware). Available in putty or black, the enclosure includes casters, and is completely assembled and ready to use upon delivery.



SNS90



NS80

NS80P

Identical to the NS80 except for being wider, the NS80P Network Enclosure is designed to house either 19", 23" or 24" rack-mount equipment (24" standard).

#### Rack-Enclosure Models Available

MODEL	DIMENSIONS	COLOR	RACK-MOUNT SPACE
NS802437-AT-XX	80.00"H X 24.00"W X 37.00"D	BLACK/PUTTY	42u
HS80HV-XX (high ventilation)	80.00"H X 24.00"W X 36.00"D	BLACK/PUTTY	42u
NS802937-AT-XX	80.00"H X 29.00"W X 37.00"D	BLACK/PUTTY	42u
NS80P-HV-BL (high ventilation)	80.00"H X 29.00"W X 37.00"D	BLACK	42u
NS902436-HV-BL (high ventilation)	90.00"H X 24.00"W X 36.00"D	BLACK	47u
NS902436-XX-BL	90.00"H X 24.00"W X 36.00"D	BLACK	47u
SNS902436-XX	86.00"H X 24.00"W X 36.00"D	BLACK	47u

ITSENCLOSURES also offers a variety of support products for this NS group including cooling devices, drawers and shelves, cable management, doors and filler panels, keyboard shelves, rail sets and power strips.



netstation  
VALUE

## Wall-Mount Options

The netstation Value Wall Mount Enclosures are packed with features and are available in multiple sizes and configurations to meet your needs.

Constructed from 12 & 14 gauge cold-rolled steel, the NSV Wall Mount Enclosures are designed to provide you with years of service. Featuring fully-welded and finished construction, the enclosures come with two pairs of 19-inch EIA mounting rails that are fully adjustable and are standard with 12-gauge EIA mounting rails and cage nuts. 10-32 rails are also available. So that you can have easy, unrestricted access to the rear of your equipment, the enclosure body swings out from the rear wall-mounted section.

The enclosures are available with a tempered safety glass front door or a solid steel front door to suit your particular application. Both the front door and the enclosure main section are key locked for security, and the front door and enclosure swing section are field reversible without the need of special tools.

Cable management also is available for the enclosures, providing cable routing for vertical, horizontal and front to rear cable runs. Integrated power strips are optional and can be ordered in varying configurations.



### Wall-Mount Models Available

MODEL	COLOR
NSV-WE-243-X	BLACK/PUTTY
NSV-WE-483-X	BLACK/PUTTY
NSV-WE-363-X	BLACK/PUTTY

## Cash In on the Best Deals Ever

At **ITSENCLOSURES**, we're always looking out for you and your enclosure needs. That's why we're happy to tell you about the **ITSENCLOSURES** eBay Store! If you're looking for the best enclosure deals out there, then the **ITSENCLOSURES** eBay Store is for you. We're offering liquidated prices on discontinued and refurbished enclosures and accessories. Keyboards, LCD flat panels, server enclosures and more are all available at our eBay store. Check it out today and start saving now!

<http://stores.ebay.com/its-enclosures-store>







## Equipment Racks Network Enclosure

The Equipment Racks are designed to provide support and cable routing for your installations of high-performance, cross-connect products. Supporting front and rear mount equipment shelves and heavy electronic devices, the racks feature floor and side cable access for routing and management of distribution cables.



NSV-WR-481-BL



NSV-WR-361-BL

**CLOSE OUT ITEM**  
Limited Quantities Available



### NSV WR Series - Wall Rack Ordering Information

NSV-WR-  Height  Mtg. Depth  Color

Height			Mounting / Depth			Color	
Height	Height	Rack Space	Mounting	Depth	Width	BL	Black
24	23.75"	12u	0	19.00"	12.00"	20.60"	
36	35.75"	19u	1	19.00"	18.00"	20.60"	
48	47.75"	26u	2	23.00"	12.00"	24.60"	
60	59.75"	33u	3	23.00"	18.00"	24.60"	
72	71.75"	40u					

The two-post model's top and bottom are constructed of 12-gauge cold-rolled steel mounting rails. Each rack is equipped with two, three-inch deep, 12-gauge cold-rolled steel mounting rails that are tapped front and back 10-32 with one set of cable access openings per side. And if you need other mounting configurations, they are available upon request. Accessories like vertical cable management, shelves and power strips also are available.

### NSV Series 2 Post Rack Ordering Information

NSV-RF-  Mounting  Height

Mounting		Height		
Mounting	Mounting	Height	Height	Rack Space
19	19"	48	48"	24u
		60	60"	31u
		72	72"	38u



### Equipment Racks Models Available

MODEL	DIMENSIONS	COLOR
NSV-WR-241-BL	24.00"H X 20.00"W X 18.00"D	BLACK
NSV-WR-361-BL	36.00"H X 20.00"W X 18.00"D	BLACK
NSV-WR-481-BL	48.00"H X 20.00"W X 18.00"D	BLACK



## icebox – Where You Put Your Sensitive Electrical and Electronic Equipment For Safe Keeping

Enclosing electrical or electronic controls, instrumentation, components and their associated wiring can be challenging. But with the help of **ITSENCLOSURES' icebox** product line, you can meet that challenge. Available in a wide variety of sizes, materials and NEMA ratings, the **icebox** product line offers the right enclosure for any requirement. The NEMA 12, 4 and 4X rated enclosures, ranging in sizes and styles too numerous to mention, are available in cold rolled steel, stainless steel, or aluminum.

And in the rare instance we don't have a standard product to meet your needs, **ITSENCLOSURES** will build you a cost-effective custom product in a timely manner. So, if you can't find the **icebox** you need in this catalog, just give us a call for a quote based upon your custom requirements.

DIMENSIONS	DEPTHS AVAILABLE			
	6	8	10	12
12.00"H X 12.00"W	•			
16.00"H X 12.00"W	•			
16.00"H X 16.00"W	•	•		
20.00"H X 16.00"W	•	•	•	
20.00"H X 20.00"W	•	•		
24.00"H X 20.00"W	•		•	
24.00"H X 24.00"W	•	•	•	•
24.00"H X 16.00"W		•		
30.00"H X 24.00"W		•	•	•
30.00"H X 30.00"W		•		
36.00"H X 24.00"W		•		•
36.00"H X 30.00"W		•	•	



### features & benefits:

- Enclosure bodies and doors are constructed of 14 gauge steel, 304 or 316 stainless steel, or 5052 aluminum
- All seams are continuously welded and ground smooth to prevent areas where bacteria and water could collect
- Door and sides of enclosure openings have a rolled lip to repel liquids and contaminants
- Most sizes and styles include Foam-in-Place gaskets
- All hardware is stainless steel
- All models include a sturdy thermoplastic data pocket
- All latching mechanisms are designed to maintain the appropriate NEMA rating of the enclosure
- Collar studs are provided for the mounting of optional sub-panels
- Standard finish for cold rolled steel models is ANSI 61 gray polyester powder coated paint
- All units are tested and certified to be compliant with UL/CUL 508; some also are tested and certified to various IEC standards.



DIMENSIONS	DEPTHS AVAILABLE				
	18	20	24	30	36
60.06"W X 24.06" H	•				
60.06"W X 36.06"H			•		
72.00"W X 24.06"H	•				
72.06"W X 24.06"H			•		•
72.06"W X 30.06"H	•		•		
72.06"W X 36.06"H	•		•	•	
90.06"W X 24.06"H		•			
90.06"W X 36.06"H		•	•		





**ITSENCLUSURES** provides Stahlin's entire line of fiberglass enclosure products. These lightweight, durable, corrosion-resistant enclosures come in a variety of sizes and NEMA ratings and offer an alternative to those who can not use or prefer not to use a metallic enclosure.

This catalog includes only some of the Stahlin products available from **ITSENCLUSURES**. If you don't see what you need, just give us a call at 1-800-423-9911, or visit our website at [www.itsencllosures.com](http://www.itsencllosures.com).



MODEL	DESCRIPTION	NEMA RATING
<b>Classic Series Products Available</b>		
<b>W</b>	4 Cover Screws, No Hinges	4X
<b>HW</b>	Hinged, 2 Cover Screws	4X
<b>HL</b>	Hinged, Through Door Latch	4X
<b>HLL</b>	Hinged, Link-Lock Latch	4X
<b>HPL</b>	Hinged, Luggage Padlock Latch	4X
<b>J Series Products Available</b>		
<b>FHLL</b>	Fiberglass Hinge, Stainless Steel Link Lock Latch	12
<b>HPL</b>	Stainless Steel Hinge with Padlocking Latch	3,12,4X
<b>HLL</b>	Stainless Steel Hinge with Link Lock Latch	3,12,4X
<b>FHW</b>	Fiberglass Hinge Watertight	4X
<b>HW</b>	Watertight with Stainless Steel Piano Hinge	4X
<b>W</b>	Watertight Lift Off Cover	4X
<b>FHPL</b>	Fiberglass Hinge, Stainless Steel Padlocking Latch	12

### Classic Series Features:

- Flush fitting cover on smooth sided base
- Minimal dust and particle catching edges
- Integral hinging system
- Chemically resistant fiberglass reinforced polyester
- High temperature, flame-retardant, non-corrosive, environmental designs

### "J" Series Features:

- Overhang cover on smooth sided base
- Soft rounded radius on base lip
- All stainless hardware latches and screws
- Full-length stainless steel hinge
- Chemically resistant fiberglass reinforced polyester
- Submersible, non-corrosive, environmental designs
- Stainless steel retention chain on screw covers

	COVER/HINGES	W	HW	HL	HLL	HPL	FHW	FHLL	FHPL
<b>Classic</b>									
<b>STA-CL1109XX</b>	11.21"H X 9.21"W X 6.09"D	•	•	•	•	•			
<b>STA-CL1311XX</b>	12.59"H X 10.59"W X 6.34"D	•	•	•	•	•			
<b>STA-CL1513XX</b>	15.21"H X 13.21"W X 7.09"D	•	•	•	•	•			
<b>STA-CL707</b>	7.21"H X 7.21"W X 5.09"D	•	•	•	•	•			
<b>Classic Window</b>									
<b>STA-CLW1109</b>	11.21"H X 9.21"W X 6.09" D	•	•	•	•	•			
<b>STA-CLW1311</b>	13.21"H X 11.21"W X 6.59"D	•	•	•	•	•			
<b>STA-CLW1513</b>	14.55"H X 12.55"W X 6.84"D	•	•	•	•	•			
<b>STA-CLW707</b>	7.21"H X 7.21"W X 5.09"D	•	•	•	•	•			
<b>STA-CLW907</b>	9.21"H X 7.21"W X 5.09"D	•	•	•	•	•			
<b>J Series</b>									
<b>STA-J 1008</b>	11.62"H X 9.41"W X 4.25"D	•	•		•	•	•	•	•
<b>STA-J 1210</b>	13.56"H X 11.43"W X 5.21"D	•	•		•	•	•	•	•
<b>STA-J 1407</b>	15.87"H X 8.75"W X 6.81"D	•	•		•	•	•	•	•
<b>STA-J 1412</b>	15.50"H X 13.50"W X 6.25"D	•	•		•	•	•	•	•
<b>STA-J 1614</b>	17.53"H X 15.46"W X 6.23"D	•	•		•	•	•	•	•
<b>STA-J 1816</b>	19.62"H X 17.61"W X 8.83"D	•	•		•	•	•	•	•
<b>STA-J 2016</b>	22.00"H X 17.68"W X 8.83"D	•	•		•	•	•	•	•
<b>STA-J 806</b>	9.62"H X 7.50"W X 4.74"D	•	•		•	•	•	•	•

Call **ITSENCLUSURES** for additional sizes or box variations

# thermal management

## Heavy Duty Closed Loop Air Conditioners

In industrial operating environments where the temperatures are in excess of the normal operating range of your equipment, air conditioning units are the solution. Selecting the proper air conditioner is not necessarily difficult, but requires some basic information about your operating conditions. For example, for un-insulated metal enclosures used indoors, use this formula to estimate your cooling needs:

$$(\text{watts} \times 3.413) + (1.25 \times \text{area in square feet} \times \text{DT temperature difference in degrees F}) = \text{BTU/hr.}$$

watts = The total heat load inside the enclosure (the sum of all heat-producing equipment).

Area = The total exposed surface area of the enclosure expressed in square feet.

DT = The difference in temperature between the maximum expected degrees F temperature outside the enclosure and the maximum desired temperature degrees F temperature inside the enclosure.



### features:

- Genesis models are equipped with a thermostat control that offers convenient digital display of enclosure temperature and high temperature alarm (125oF/52oC). Flashing display indicates alarm condition. EMI/RFI noise suppressor and UL/CUL and CE are standard on stock models
- Unique condensate management system, which evaporates moisture from enclosure and eliminates drain tubes, buckets and wet floors in typical applications
- EZ Mount flanges simplify installation to a two-step, one-person job
- Most components accessible by removing grille/filter
- UL Type NEMA 12



### Genesis Series Available

MODEL	DESCRIPTION	DIMENSIONS
<b>COMPACT-1000-1800 BTU/HR</b>		
MC-M13-0116-G1014	1000 BTU/HR. (293 Watts), 115V	13.25"H x 14.25"W x 7.80"D
MC-M13-0126-G1008	1000 BTU/HR. (293 Watts), 230V	13.25"H x 14.25"W x 7.80"D
MC-M17-0216-G009	1800 BTU/HR. (527 Watts), 110/115V	17.65"H x 12.00"W x 8.68"D
MC-M17-0226-G004	1800 BTU/HR. (527 Watts), 220/230V	17.65"H x 12.00"W x 8.68"D
<b>MID-SIZE-2000-6000 BTU/HR</b>		
MC-M28-0216-G013	2000 BTU/HR. (586 Watts), 115V	28.50"H x 17.00"W x 11.33"D
MC-M28-0226-G004	2000 BTU/HR. (586 Watts), 230V	28.50"H x 17.00"W x 11.33"D
MC-M28-0416-G007	4000 BTU/HR. (1175 Watts), 115V	28.50"H x 17.00"W x 11.33"D
MC-M28-0426-G032	4000 BTU/HR. (1175 Watts), 230V	28.50"H x 17.00"W x 11.33"D
MC-M28-0616-G005	6000 BTU/HR. (1758 Watts), 115V	28.5"H x 17"W x 11.33" D
MC-M28-0626-G005	6000 BTU/HR. (1758 Watts), 230V	28.5"H x 17"W x 11.33" D

# thermal management

## AC Units for Rugged and Unique Applications

### Thermal Management Solutions

#### ProAir - Stainless

ProAir Series Stainless Steel air conditioners are perfect for your outdoor or corrosive environment requirements. They are constructed of high-grade 16-gauge type 304 stainless steel. They combine high-efficiency state-of-the-art design with pleasing aesthetics in a broad range of sizes and performance capacities.

#### features:

- 1600-8500 BTU/HR (469-2490 Watts)
- NEMA12 approval on all models. Most models available with UL and cUL listing. CE available upon request. NEMA 4X per UL 50 type 4X optional
- Front cover is hinged for easy maintenance and quick access to all components
- A unique condensate management system evaporates moisture from the enclosure and eliminates drain tubes, buckets and wet floors
- Units use CFC-free or environmentally safe refrigerant that is universally accepted
- 100% functionally tested

MC-CR29-0416-G002  
PROAIR Stainless Steel



#### PROAIR Series Available

MODEL	DESCRIPTION	DIMENSIONS
MC-CR23-0216-G002	1600 BTU/HR. (469 Watts), 115V	23.00"H x 10.00"W x 8.75"D
MC-CR23-0226-G002	1600 BTU/HR. (469 Watts), 230V	23.00"H x 10.00"W x 8.75"D
MC-CR29-0216-G002	2000 BTU/HR. (586 Watts), 115V	23.00"H x 10.00"W x 8.75"D
MC-CR29-0226-G002	2500 BTU/HR. (586 Watts), 230V	23.00"H x 10.00"W x 8.75"D
MC-CR29-0416-G002	3500 BTU/HR. (1172 Watts), 115V	23.00"H x 10.00"W x 8.75"D
MC-CR29-0426-G002	3500 BTU/HR. (1172 Watts), 230V	23.00"H x 10.00"W x 8.75"D
MC-CR43-0616-002	6000 BTU/HR. (1758 Watts), 115V	43.31"H x 15.75"W x 10.25"D
MC-CR43-0626-002	6000 BTU/HR. (1758 Watts), 230V	43.31"H x 15.75"W x 10.25"D
MC-CR43-0816-002	8500 BTU/HR. (2490 Watts), 115V	43.31"H x 15.75"W x 10.25"D
MC-CR43-0826-002	8500 BTU/HR. (2490 Watts), 230V	43.31"H x 15.75"W x 10.25"D



MC-RCR11-0216-G002  
Rack-Mount Air Conditioner

#### features:

- Rack mount models are ideal when it is important to keep an application self-contained within the enclosure
- Unique condensate management system evaporates moisture from enclosure to ambient air eliminating drain tubes, buckets and wet floors
- High CFM blowers are used for maximum airflow throughout enclosure
- 100% functionally tested
- Mounting gaskets, drawings and instruction manual furnished
- All units use a CFC-free or environmentally safe refrigerant that is universally accepted

RCR11 is part of the ProAir™ Series, which combines state-of-the-art design with pleasing aesthetics. This rack mount is an excellent, high-efficiency model with a patented airflow system that allows it to be mounted anywhere within the enclosure. RCR11 stock models have thermostat control and EM/RFI noise suppressor.

#### Rack-Mount Air Conditioners Available

MODEL	DESCRIPTION	DIMENSIONS
MC-RCR11-0216-G002	2000 BTU/HR. (586 Watts), 115V	10.47"H x 19.00"W x 21.47"D
MC-RCR11-0416-G002	4000 BTU/HR. (1172 Watts), 230V	10.47"H x 19.00"W x 21.47"D

Contact Your **ITSENCLOSURES** Representative @ 1.800.423.9911

# thermal management

## SpectraCool

Indoor & Outdoor Base Models  
8000-1200 BTU/Hr. (2300-3500 Watts)

An energy-efficient rotary compressor and new earth-friendly refrigerant provide quiet, dependable cooling. Active condensate management with heater strip comes standard.

### features:

- Nominal cooling capacity 8000 - 12,000 BTUs/HR (2300 & 3500 Watts)
- Energy efficient rotary compressor
- R134a earth-friendly refrigerant & RoHS compliant
- Exterior & partial recessed mounting options
- Cleanable reusable aluminum mesh filter to protect coils for maximum cooling performance
- UL Type NEMA 12/3R/4



SpectraCool Indoor & Outdoor AC



T-Series Outdoor ACs



## T-Series

Outdoor Air Conditioners  
800-20,000 BTU/Hr. (234-5567 Watts)

The perfect enclosure cooling system for outdoor cabinets where precise temperature control is needed. Engineered to seal out virtually any bad weather, the T-Series is built to perform in extremely hot and cold ambient temperatures.

### features:

- Filter is easily accessible
- Compact footprint to minimize real estate & maximize capacity
- Standard models provided as surface or fully recessed mount. Partial mounts models available upon request
- Broad operating range -40°F to 131°F
- UL Type NEMA 12/3R/4

### SpectraCool Models Available

MODEL	DESCRIPTION	DIMENSIONS
MC-G52-0816-G050	8000 BTU/HR (2300 Watts) Indoor, 115V	52.69"H x 17.12"W x 11.66"D
MC-G52-0816-G150	8000 BTU/HR (2300 Watts) with 2000 Watt Heater, Outdoor 115V	52.69"H x 17.12"W x 11.66"D
MC-G52-0826-G050	8000 BTU/HR (2300 Watts), Indoor, 230V	52.69"H x 17.12"W x 11.66"D
MC-G52-0826-G150	8000 BTU/HR (2300 Watts) with 2000 Watt Heater, Outdoor 230V	52.69"H x 17.12"W x 11.66"D
MC-G52-1216-G050	12,000 BTU/HR (3500 Watts), Indoor, 115V	52.69"H x 17.12"W x 11.66"D
MC-G52-1216-G150	12,000 BTU/HR (3500 Watts) with 2000 Watt Heater, Outdoor, 115V	52.69"H x 17.12"W x 11.66"D
MC-G52-1226-G050	12,000 BTU/HR (3500 Watts), Indoor, 230V	52.69"H x 17.12"W x 11.66"D
MC-G52-1226-G150	12,000 BTU/HR (3500 Watts) with 2000 Watt Heater, Outdoor, 230V	52.69"H x 17.12"W x 11.66"D

### T-Series Models Available

MODEL	DESCRIPTION	DIMENSIONS
MC-T15-0116-G150	800 BTU/HR (234 Watts) with 150 Watt Heater, Outdoor, 115V	15.75"H x 7.50"W x 6.30"D
MC-T15-0126-G150	800 BTU/HR (234 Watts) with 150 Watt Heater, Outdoor, 230V	15.75"H x 7.50"W x 6.30"D
MC-T20-0216-G150	2000 BTU/HR (586 Watts) with 500 Watt Heater, Outdoor, 115V	20"H x 10"W x 9.90"D
MC-T20-0226-G150	2000 BTU/HR (586 Watts) with 500 Watt Heater, Outdoor, 230V	20"H x 10"W x 9.90"D
MC-T29-0416-G150	4000 BTU/HR (1172 Watts) with 1000 Watt Heater, Outdoor, 115V	29"H x 17"W x 11.30"D
MC-T29-0426-G150	4000 BTU/HR (1172 Watts) with 1000 Watt Heater, Outdoor, 230V	29"H x 17"W x 11.30"D
MC-T43-0616-G150	6000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 115V	43"H x 15.75"W x 10.90"D
MC-T43-0626-G150	6000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 230V	43"H x 15.75"W x 10.90"D
MC-T43-0816-G150	8000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 115V	43"H x 15.75"W x 10.90"D
MC-T43-0826-G150	8000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 230V	43"H x 15.75"W x 10.90"D
MC-T43-1016-G150	10,000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 115V	43"H x 15.75"W x 10.90"D
MC-T43-1026-G150	10,000 BTU/HR (2710 Watts) with 1000 Watt Heater, Outdoor, 230V	43"H x 15.75"W x 10.90"D
MC-T50-1226-G150	12,000 BTU/HR (3604 Watts) with 1500 Watt Heater, Outdoor, 230V	50"H x 10"W x 11.05"D
MC-T53-1096-150	20,000 BTU/HR (5567 Watts) with 3000 Watt Heater, Outdoor, 230V	53"H x 21"W x 13"D

# thermal management

## Heat Exchangers - Ideal for Light Duty Applications

### Thermal Management Solutions

During normal operation, computers, monitors and peripherals generate heat. In a sealed enclosure, this heat can be detrimental to your equipment because it raises the ambient temperature to a level higher than the equipment's recommended operating range. To help you combat this problem, **ITSENCLOSURES** sales professionals can assess your thermal management needs and design a solution that will maintain the recommended operating temperature inside the enclosure and allow you to get the optimum operating life from your electronic equipment.

#### Heat Exchangers Available

MODEL	DESCRIPTION	DIMENSIONS
<b>COMPACT HEAT EXCHANGER</b>		
HE300-04	Heat Exchanger 300, NEMA 4	3.50"H x 12.00"W x 12.88"D
HE300-12	Heat Exchanger 300, NEMA 12	3.50"H x 12.00"W x 12.88"D
HE300-4X	Heat Exchanger 300, NEMA 4X	3.50"H x 12.00"W x 12.88"D
<b>PROAIR HEAT EXCHANGER</b>		
MC-XR-2016-001	4W/°F (7W/°K), 115V	20.00"H x 7.50"W x 3.00"D
MC-XR-2026-001	4W/°F (7W/°K), 230V	20.00"H x 7.50"W x 3.00"D
MC-XR-2016-101	4W/°F (7W/°K), 115V	20.00"H x 7.50"W x 3.00"D
MC-XR-2026-101	4W/°F (7W/°K), 230V	20.00"H x 7.50"W x 3.00"D
MC-XR-2916-101	8W/°F (14W/°K), 115V	29.50"H x 10.00"W x 3.13"D
MC-XR-2926-101	8W/°F (14W/°K), 230V	29.50"H x 10.00"W x 3.13"D



Compact Heat Exchangers



HE300 Heat Exchanger



PROAIR Heat Exchangers



#### features:

- The ProAir™ Series of heat exchangers uses our unique Modified Heat Pipe Core for efficient heat exchange and high-performance
- Top-quality ball-bearing fans result in extended reliable service
- Streamlined aesthetics with no visible mounting rails or fasteners. The slim design allows for mounting to narrow or shallow enclosures
- Front cover hinges open for easy access to all components
- Filterless design - the core simply slides out if cleaning is required
- Mounts front, side, top, inside, outside, vertically or horizontally
- Enclosure air return plenum is provided
- 100% functionally tested
- DC voltage available if required. Please contact the factory
- Mounting gaskets, drawings and instruction manual furnished

All **ITSENCLOSURES**' Thermal Management products come with a [Free One Year Warranty](#) with additional Service Options Available, such as: [On-Site Repair Programs](#) - [Emergency Service Plans](#) - [Extended Warranty Programs](#)

You have made the decision to protect your equipment from the elements, now protect them against devastating temperatures!

Contact Your **ITSENCLOSURES** Representative @ 1.800.423.9911

# thermal management

## Keep Your Valuable Electronics Cool Thermal Management Solutions



SEI-KG4269

**ITSENCLOSURES** brings over 15 years of thermal management expertise to the enclosure world. By providing new and innovative thermal management solutions to the market, **ITSENCLOSURES** continues to have the most advanced and reliable thermal management hardware in the industry. Thermal Management has always been a concern for indoor and outdoor enclosures. However with this system, your products will be provided with protection in almost any climate, ensuring long life for your electronics.

### features:

- Stainless steel construction for outdoor use
- Filterless design
- Delivers 1400 BTU of cooling power
- IP54/IP24 rating
- Only 4.34" in depth
- Delivers 450 Watts of heat in same package
- Used on display enclosures



Profile Seifert AC  
unit only 4.34" deep



# thermal management

## A “Fan”-Tastic Cooling Solution at “Cool” Prices Thermal Management Solutions

### Filter Fans

- Designed expressly to meet the exacting requirements of modern electrical and electronics enclosures
- New EMI and standard filter fans and exhaust filters effectively enforce convection in enclosures
- Just three basic product groups provide for all indoor and outdoor applications. The filter fans and exhaust filters are available in various sizes with a choice of air performance ratings; and the EMI models combine a metallic grill/fan cover with an encompassing spring contact strip to provide very high HF-shieldings



Outdoor Filter Fan System

### Filter Fan Systems



### features & benefits:

For very basic cooling needs where the temperature outside the enclosure is within the normal operating range of your equipment and humidity is not a factor, **ITSENCLOSURES** often recommends Thermostatically Controlled FSST1 and FSST2 filtered fan systems. Fan systems are uncomplicated, easy to install and almost maintenance-free cooling devices that work by taking the cooler air from the outside and blowing it into the enclosure, forcing the excess heat out through exhaust filters. Offering air flow up to 200 CFM, and filtering capability down to 3 microns, these fan systems not only keep your equipment operating normally, they also filter the incoming air to keep damaging contaminants from reaching your electronic components.

### Thermal Management

MODEL	DESCRIPTION
<b>FILTERED FAN SYSTEMS-100 CFM</b>	
FSS1-10 (Filtered Fan Continuous Operation)	100 CFM, 10 Micron filter
FSS1-3 (Filtered Fan Continuous Operation)	100 CFM, 3 Micron filter
STE-01141.9-00	Thermostat
<b>FILTERED FAN SYSTEMS-200 CFM</b>	
FSS2-10 (Filtered Fan Continuous Operation)	200 CFM, 10 Micron filter
FSS2-3 (Filtered Fan Continuous Operation)	200 CFM, 3 Micron filter
STE-01141.9-00	Thermostat
<b>VORTEX SYSTEMS</b>	
VC2000-4X	NEMA 4X, Stainless Steel



VC2000 Vortex Cooling Unit



All components are housed in a compact stainless steel enclosure designed for easy installation. Our Vortex Systems are a low-maintenance solution for keeping enclosures in operating range.

# thermal management

## Take Control with Our Temperature and Humidity Controllers Thermal Management Solutions



Fan Heater

The CR 027, a compact fan heater with PTC technology, maintains the minimum operating temperatures in enclosures, thus helping to prevent failure of electronic components caused by condensation and corrosion. Its heating power adjusts to the ambient temperature and it features an integrated, adjustable thermostat and a control light. It is DIN rail mountable and ideal for electrical and electronic enclosures, telecommunications systems, ATMs and ticket dispensers.



Temperature & Humidity Controls

Heaters

**ITSENCLOSEURES'** offers convection heaters, fan heaters and small heaters to meet any enclosure need. These heaters play an important role in the functional safety of telecom systems, control panels and electrical enclosures by preventing the formation of condensation, protecting against low temperatures in outdoor equipment and compensating for temperature fluctuations.

Using semi-conductor heating elements (PTC), **ITSENCLOSEURES'** convection heaters are self-regulating and temperature limiting and also provide dynamic warm-up and energy savings.

**ITSENCLOSEURES'** fan heaters use forced air circulation to protect large, densely packed enclosures or those located outdoors.

**ITSENCLOSEURES'** line of small heaters, with PTC semi-conductor heating elements, are ideal for use in small enclosures (i.e., camera housings, actuators, valve and pump controls, telecom receivers/transmitters, control boxes, or micro base stations).

### Heating Options Available

MODEL	DESCRIPTION	DIMENSIONS
<b>FAN HEATER SERIES</b>		
STE-02700.0-00	Fan Heater, 400 W, 230 VAC, w/adjustable thermostat 0-60°C	6.50"H x 4.00"W x 5.00"D
STE-02700.9-00	Fan Heater, 550 W, 120 VAC, w/adjustable thermostat 32-140°F	6.50"H x 4.00"W x 5.00"D
STE-02701.0-00	Fan Heater, 550 W, 230 VAC, w/adjustable thermostat 0-60°C	6.50"H x 4.00"W x 5.00"D
STE-02701.9-00	Fan Heater, 650 W, 120 VAC, w/adjustable thermostat 32-140°F	6.50"H x 4.00"W x 5.00"D
<b>TEMPERATURE &amp; HUMIDITY CONTROLS</b>		
STE-01140.9-00	Thermostat, normally closed, 32-140°F	2.40"H x 1.30"W x 1.40"D
STE-01141.9-00	Thermostat, normally open, 32-140°F	2.40"H x 1.30"W x 1.40"D
STE-01146.9-00	Thermostat, normally closed, 0-60°C	2.40"H x 1.30"W x 1.40"D
STE-01147.9-00	Thermostat, normally open, 0-60°C	2.40"H x 1.30"W x 1.40"D
STE-01170.0-00	Thermostat, change-over contact, 10-60°C, 230 VAC	2.64"H x 1.97"W x 1.50"D
STE-01170.9-00	Thermostat, change-over contact, 50-140°F, 120 VAC	2.64"H x 1.97"W x 1.50"D
STE-01170.9-01	Thermostat, change-over contact, 10-60°C, 230 VAC	2.64"H x 1.97"W x 1.50"D
STE-01172.0-00	Dual Thermostat, 0-60°C normally closed, 0-60°C normally open	2.60"H x 2.00"W x 1.80"D
STE-01172.0-01	Dual Thermostat, 32-140°F normally closed, 32-140°F normally open	2.60"H x 2.00"W x 1.80"D
STE-01175.0-00	Dual Thermostat, -10-50°C normally closed, 20-80°C normally open	2.60"H x 2.00"W x 1.80"D
STE-01175.0-01	Dual Thermostat, 14-122°F normally closed, 68-176°F normally open	2.60"H x 2.00"W x 1.80"D
STE-01200.9-00	Humidity & Temp. Control, change-over contact, 32-140°F, 50-90% RH, 120 VAC	2.64"H x 1.97"W x 1.54"D
STE-01201.9-00	Humidity & Temp. Control, change-over contact, 32-140°F, 50-90% RH, 230 VAC	2.64"H x 1.97"W x 1.54"D
STE-01202.9-00	Humidity & Temp. Control, change-over contact, 0-60°C, 50-90% RH, 120 VAC	2.64"H x 1.97"W x 1.54"D
STE-01203.9-00	Humidity & Temp. Control, change-over contact, 0-60°C, 50-90% RH, 230 VAC	2.64"H x 1.97"W x 1.54"D



## Industrial Keyboards and Pointing Devices



If you work in a hazardous area and need peripherals that stand up to your surroundings, TIP manufactures the device for you. TIP makes both intrinsically safe and non-incendive peripherals for industrial environments.

### Intrinsically Safe

TIP's intrinsically safe keyboards are available in both desktop and panel mount models. The 114-key NEMA 4X keyboards come enclosed in non-corrosive stainless steel with an optical isolated barrier and bulkhead cable for complete protection. They have a Factory Mutual approval for Class I, II and III and Division I, Groups C, D, E, F and G. The keyboards are rack drawer mountable and are compatible with PS/2, Windows and NT. TIP offers several models that feature an integrated three-button HulaPoint™ pointing device. NOTE: The DU-5K/IS is enclosed in an ABS Polycarbonate case.

### Non-Incendive

Texas Industrial Peripherals offers a full line of non-incendive keyboards and pointing devices, including desk op and panel mount models. Each unit is enclosed in a stainless steel case and carries a Factory Mutual approval of Class I, II and III and Division II, Groups A, B, C, D, F and G. Ideal for harsh working conditions, these units include bulkhead cables, do not require barriers, and are rack drawer mountable. All units ship with bulkhead cables. Several models feature an integrated three-button HulaPoint™ pointing device. NOTE: The DU-5K/NI is enclosed in an ABS Polycarbonate case.

### Industrial Peripheral Models Available

MODEL	DIMENSIONS	NEMA RATING	COMPATIBILITY
<b>Desktop Models</b>			
TIP-DU-5K	15"H X 6.5"W X 1.5"D	4,4X	USB, PS/2, IS, NI
TIP-DT-5K	16.25"H X 7.9"W X 1.8"D	4,4X	USB, PS/2, IS, NI
TIP-DW-5K	15"H X 7.2"W X 1.6"D	4,4X	WirelessUSB
TIP-DW-1K	15"H X 6.5"W X 1.5"D	4,4X	USB or PS/2
TIP-DT-1000	16.25"H X 1.9"W X 7.9"D	4, 4X	USB, PS/2, IS, NI
TIP-DT-2000	20.25"H X 7.9"W x 1.8"D	4,4X	USB, PS/2, IS, NI
TIP-DT-2000-TB	20.25"H X 7.75"W X 2.125"D	4,4X	USB or PS/2
<b>Panel Mount Models</b>			
TIP-PM-1000	17.7"H X 9.1"W X 2"D	4,4X	USB, PS/2, IS, NI
TIP-PM-5K	17.7"H X 9.2"W X 2"D	4,4X	USB, PS/2, IS, NI
TIP-PMU-5K	15.1"H X 6.75"W X 0.6"D	4,4X	USB, PS/2
TIP-PMU-1000	15.1"H X 6.75"W X 0.6"D	4,4X	USB, PS/2
TIP-PM-2000	21.3"H X 9.1"W X 2"D	4,4X	USB, PS/2, IS, NI
<b>Pointing Devices</b>			
TIP-HP-DT	Desktop Hula Point	4,4X	USB, PS/2, IS, NI
TIP-HP-PM	Panel Mount Hula Point	4,4X	USB, PS/2, IS, NI
TIP-DT-TB	Desktop Trackball	4,4X	USB or PS/2
TIP-DT-OM	Desktop Optical Mouse	4,4X	USB or PS/2



TIP-DU-5K



TIP-DT-5K



TIP-DT-1000



TIP-DT-2000



TIP-DT-OM

# We're In Good Company

For over 25 years, **ITSENCLOSURES** has earned a solid reputation for service and quality products. Our partial list of customers not only demonstrates our powerful industry reputation, but shows we are a popular choice among many large corporations and small businesses in the U.S. and Canada.





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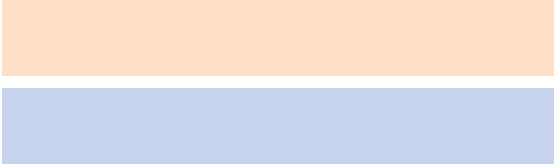
**INSURANCE OF SAFE PASSAGE**

All **ITSENCLOSURES** products are completely assembled and ready to use upon delivery. To ensure proper protection, **ITSENCLOSURES** places corner protectors on all of our products, then fully shrink wraps them. Next, all shipping brackets are bolted to a pallet to make sure each product arrives at its destination in mint, fully operational condition.



# ITSENCLOSURES

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MADE IN THE USA



PROTECTING THE PRODUCTS THAT SERVE PEOPLE



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