



Metal Data Plates

ID Plates that Last



Companies around the world use industrial data plates to communicate critical information to end users.

Manufacturers require equipment marked for proper use and maintenance. Construction equipment, pumps, meters, and tools need to show relevant specs and tolerances. Data plates provide information for voltage, pressure, and temperature ratings. All are expected to be readable for as long as the equipment is in use.

CRITICAL COMMUNICATION

It is vital to quickly recognize safe operating instructions for industrial equipment.

Improperly labeled equipment may cause equipment or component failure. This can lead to poor performance, damage to machinery, and potential injury to workers or consumers.

This eBook covers durable solutions for industrial data plates.

Industries

Manufacturing
Electronics
Utilities
Transportation
Oil and Gas

ID PLATES THAT LAST

Data plates, tags, and identification plates are durable and versatile solutions for harsh environments, withstanding temperature extremes and corrosive conditions.



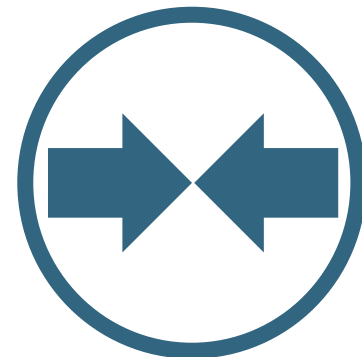
Materials



Durable Graphics



Longevity



Secure Attachment

INDUSTRIAL DATA PLATE MATERIALS

Data plates and tags communicate essential information to operators, installers, and equipment users. Choosing materials for these applications means taking into consideration the end application and expected performance requirements. A wide variety of materials are available on both metal and flexible substrates.

METAL DATA PLATES

Metal data plates are ideal for equipment installed in harsh environments, near heat, or those exposed to vibration and grease such as metal valve plates or pump tags in boiler rooms.

Aluminum and stainless steel are metals of choice for data plates due to their robust qualities in both mild and harsh environments.



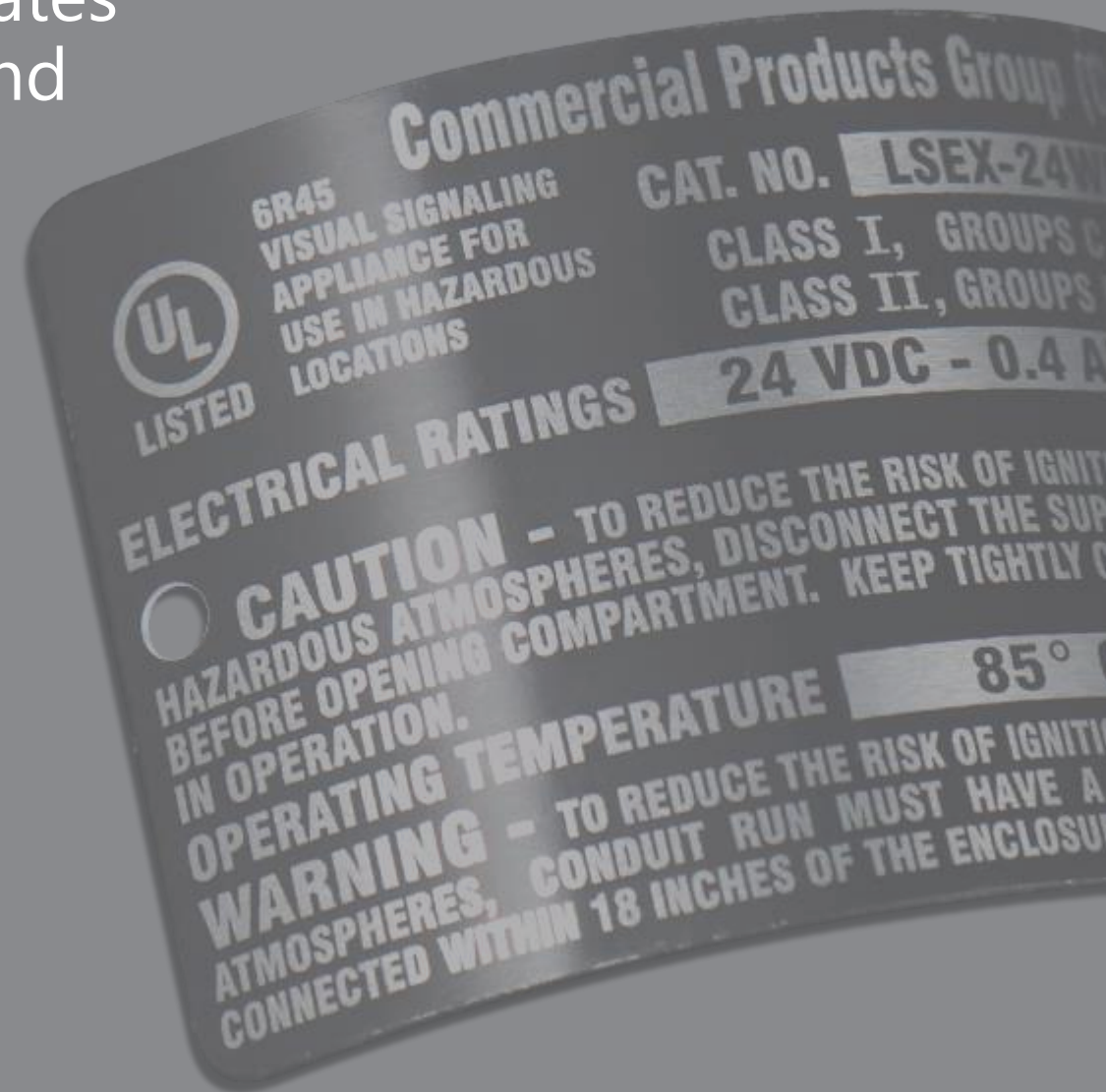
EMBOSSING

Embossing is an option for dimension and permanent graphics. The raised areas stand up in damaging environments, ensuring essential information is displayed even after many years of use.



FORMING

Aluminum and stainless steel data plates can be formed in order to wrap around pieces of equipment like pipes and valves. This ensures the information plate is permanently attached to the contoured surface.



FLEXIBLE INDUSTRIAL LABELS

Industrial labels made from flexible material are ideal for applications that need to showcase serial or model numbers, electrical rating specs, load rating or date of manufacture on a variety of equipment.

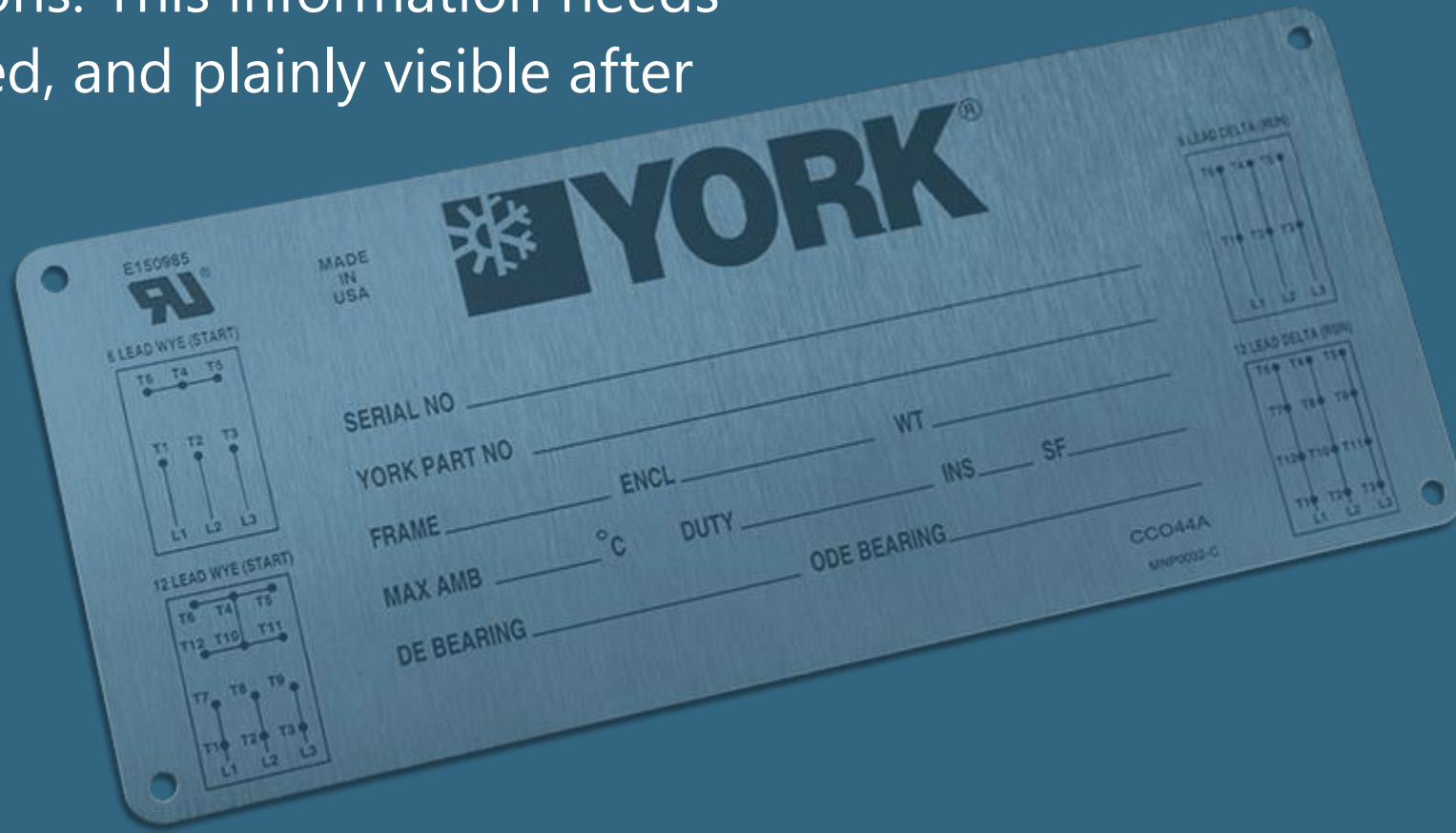
Aluminum foil, polyester, and vinyl are lightweight materials that do not tear and naturally conform to curved surfaces. Polycarbonate is durable and reliable for many industrial settings.

Industrial labels made on plastic substrates are supplied with pressure sensitive adhesive. These labels can be supplied as individual parts, strips, or kits to facilitate assembly operations.



DURABLE GRAPHICS

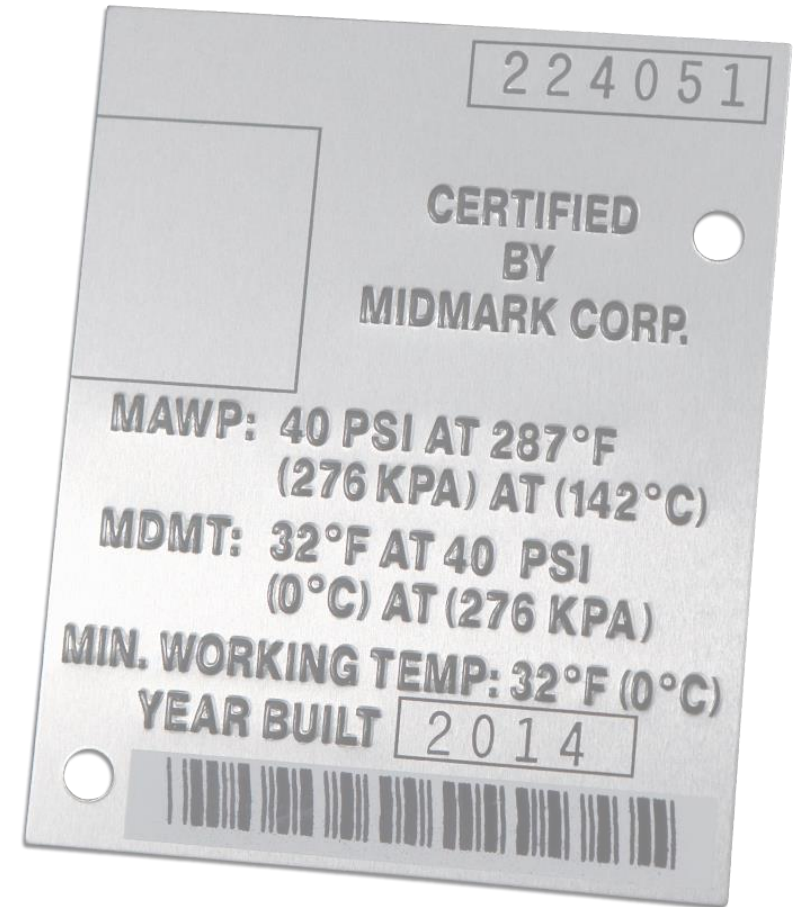
Industrial ID Plates have strict regulations for the type of information that should be featured, set by OSHA, NFPA, and other organizations. This information needs to be legible, durably marked, and plainly visible after the equipment is installed.



STATIC AND VARIABLE DATA

The specific markings for data plates are customizable for fields that can be static or variable. This data can be configured to be filled in during production or left blank to allow you to stamp, laser, or engrave on your end.

Sequential numbering, bar codes, voltage, and temperature ratings are examples of the type of data that can be customized.



LONGEVITY

Anodizing, protective topcoats, and high temperature inks are some of the durable solutions. Each stands up to indoor and outdoor environments, ensuring data plates last the lifetime of the product. All processes follow strict compliance guidelines to ensure quality and industry standards are met.



SECURE DATA PLATE ATTACHMENT

An important element of industrial data plate design is how it will be attached to the mating surface. A fully compliant label with all the right notations and markings is only good if it stays in place as intended.



Adhesives



Mounting Holes



Combination

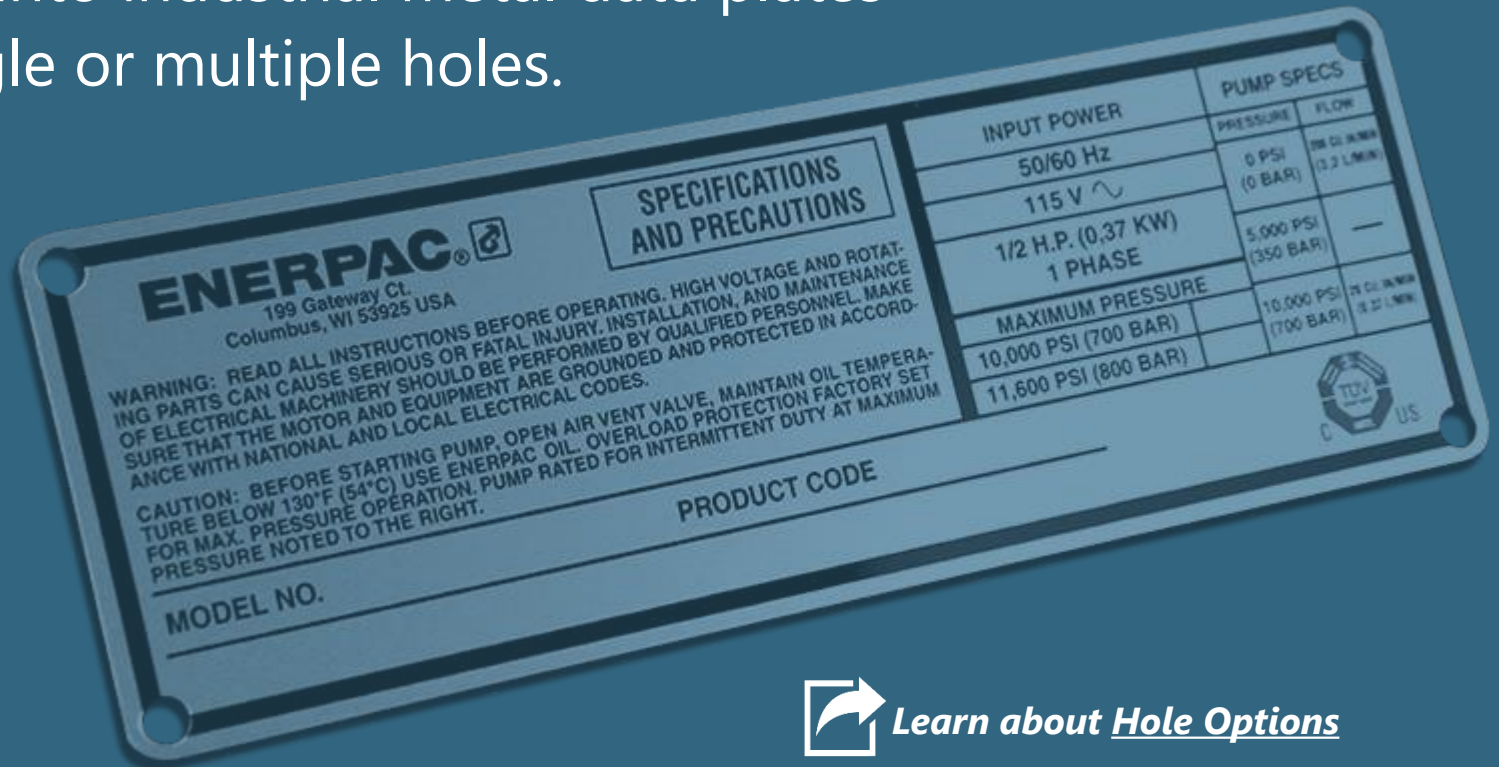
ADHESIVES

There are many situations where a self-adhesive option is the best solution for secure attachment to equipment. Important considerations include what type of surface is it sticking to and what type of environment it will be used in. Our team will work with you to ensure a bond that will last.



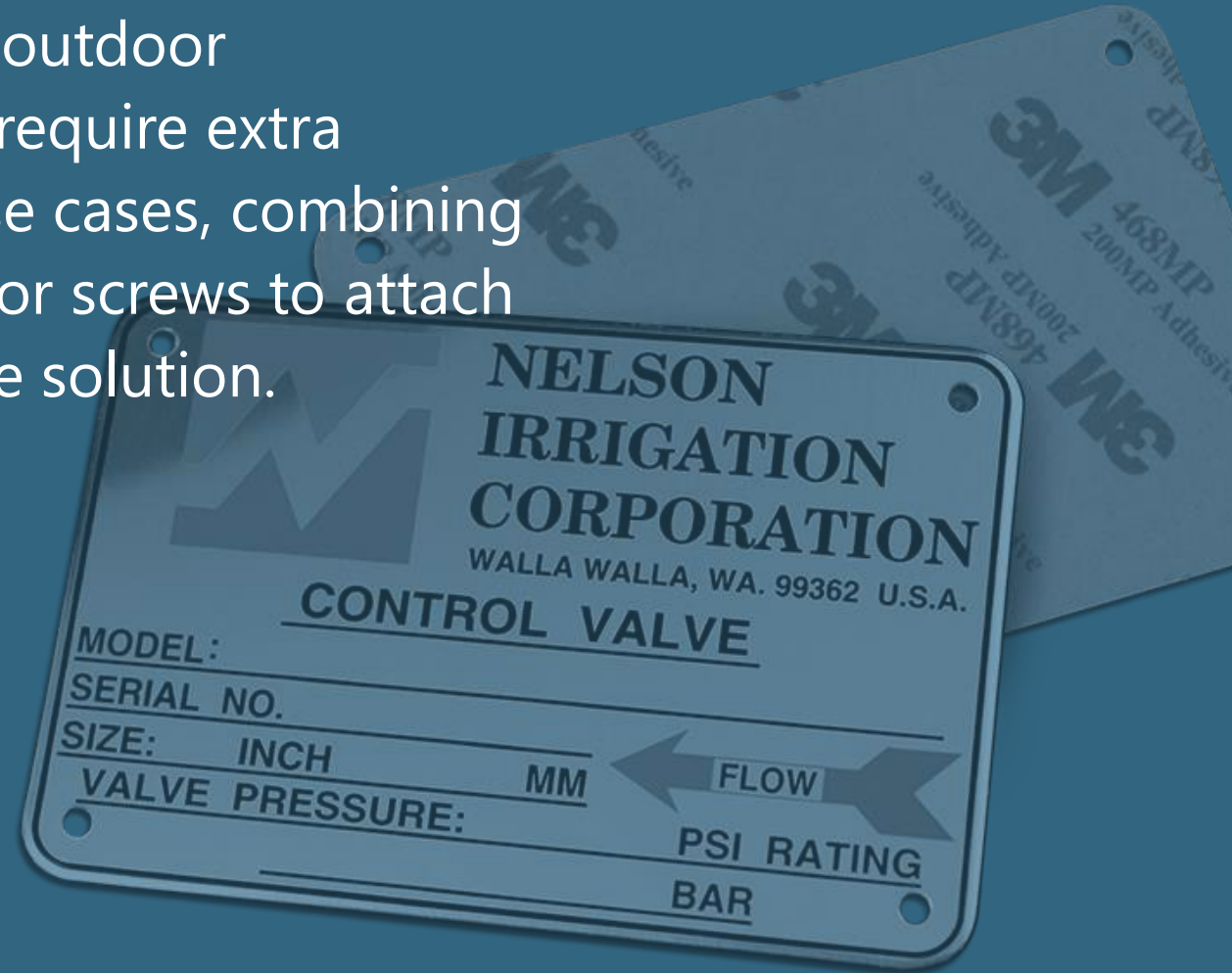
MOUNTING HOLES

Some surfaces or environments are better suited for attachment with mechanical means. Attachment with rivets or screws can be designed into industrial metal data plates with configurations for single or multiple holes.



COMBINATION

Extreme applications with exposure to outdoor environments or harsh chemicals may require extra attention to secure attachment. In these cases, combining pressure sensitive adhesive with rivets or screws to attach data plates to equipment is an effective solution.





CONCLUSION

Industrial data plates communicate equipment-specific information that is critical for proper use, maintenance, and display of safe operating tolerances, reducing the risk of damage or injury.

McLoone offers a diverse selection of material, processes and durable solutions to effectively display the vital information that will last the life of your product.

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RELATED RESOURCES

Check out these articles and eBooks for even more helpful information to create durable and effective equipment tags.

Articles

- Common Metal Options for ID Plates
- Style Options for Metal Plates and Tags
- 3 Reasons Why Metal Data Plates Are a Better Choice

eBooks

- Nameplate Substrate Guide
- Effective Design for Equipment Tags Guide
- Premium Outdoor Metal Nameplates



ABOUT MCLOONE

At McLoone, we combine creativity and expertise to custom manufacture graphic solutions that help you professionally brand your product. Whether building to print, creating rapid prototypes or collaborating on a custom solution, we're known for meeting deadlines and exceeding expectations.

Quality is integrated into every area at McLoone, from prototyping through delivery. We are ISO 9001:2015 registered and comply with RoHS3 and REACH requirements.

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