

LEGENDARY QUALITY.

Hoffman[®]

A Pentair Company

ENCLOSURES *for*
Petrochemical APPLICATIONS



ENCLOSURES FOR **Petrochemical** Applications

**Protection you can depend on.
From the name you can trust.**



It's no secret that Hoffman builds enclosures to last. Enclosures designed to endure in conditions where few things survive. Inside

or out, under constant bombardment of corrosive agents and the elements, no enclosure protects your valuable electronics better than a Hoffman.

Not surprisingly, this expertise and commitment to quality translates into the leading line of multi-purpose corrosion-resistant enclosures for the petrochemical industry. From modular options for marshalling cabinets to the broadest array of non-corrosive field-based enclosures, Hoffman protects electronics in the most corrosive environments. We offer the largest selection of corrosion-resistant enclosures in 304 and 316L stainless steel, aluminum, fiberglass and thermoplastic composites, providing you with the broadest line of materials, performance and cost options to meet all your project needs.

Whether it's the saltwater spray of the drilling platform, the harsh chemical buildup of compressor skids, or the extreme weather conditions of pipelines, Hoffman enclosures are built to protect your critical control investment. And most importantly, they're built to last.



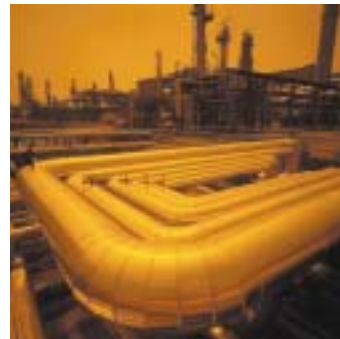
**When you put your critical controls
in the most demanding environments,
put your trust in Hoffman.**

PROLINE® Modular Enclosures

- Our PROLINE® Modular Enclosures are available in Type 304 stainless steel freestanding units, PC enclosures and Type 4X operator interface systems. The rugged frame is available in dozens of standard sizes. A wide variety of tops, bases, covers, side panels, doors and mounting options lets you configure enclosures for diverse needs. From in-plant control to skid- or pipeline-mounted systems, PROLINE Modular Enclosures offer more flexibility.

The largest selection of corrosion-resistant enclosures

- No manufacturer can match Hoffman's capabilities in 304 and 316L stainless steel. Our CONCEPT® Wall-Mount Enclosures come in 26 sizes, ideal for upstream/downstream processing, transmission and production points as well as bio-manufacturing applications.
- We also offer stainless steel Type 4X floor-mount enclosures, junction boxes, disconnect enclosures and wireway, plus HAZLOC (purge systems) and instrumentation enclosures.
- For applications in wet and moderately corrosive areas, Hoffman offers 44 standard sizes of aluminum enclosures, including continuous hinge Type 4X junction boxes and wall-mount models.
- Hoffman's ULTRX® Fiberglass Enclosures combine the strength and corrosion resistance of compression-molded fiberglass with a clean, stylized design for housing control systems or instruments.
- For moderate corrosion and impact resistance at an affordable price, choose Hoffman's Type 4X, 6, 12 and 13 thermoplastic enclosures for indoor junction box, control box and instrument housing applications.



Control Enclosures



A tighter seal means complete protection and long life for your critical electronics.

Hoffman's innovative gasketing solutions are unrivaled in the industry. Our lay-in and foam-in-place gasketing, flange trough collar around door openings, and 3-point and quarter-turn latching achieve the tight, durable seals vital to enclosure performance.

But we don't stop there. Many other hallmarks of Hoffman quality, service and selection deliver the ideal solution for petrochemical applications including:

- Tightly controlled manufacturing minimizes performance-related failure in the field and provides interchangeability of panels and components from one enclosure to the next.
- Over 8,500 standard products including over 400 wall-mount sizes— all available locally.
- Modular or engineered solutions, built-to-order and delivered on schedule.



PROLINE® Type 4X Operator Interface for process control applications



Type 4X free-standing enclosure provides easy access to control components

- Enclosures built and certified for use in demanding environments such as HAZLOC, seismic and vibration areas, temperature extremes, and EMI/RFI.
- Complete online specification and technical tools plus a staff of application engineers at your call.
- The largest selection of standard enclosures, in stock at over 1500 local distributors.

The cost-effective alternative to custom.



MODIFICATION SERVICES

When standard enclosures do not meet the needs of your application, Hoffman is the only major enclosure manufacturer that offers a full selection of modification options. Even in 304 and 316L stainless steel. UL and CSA certified solutions, on everything from Hoffman's large industrial units and PROLINE® Modular Enclosures, to corrosion-resistant and wall-mount enclosures.



44 standard sizes of aluminum enclosures, including continuous hinge Type 4X junction boxes and wall-mount models

UPSTREAM DOWNSTREAM



PRODUCTION



TRANSPORTATION



REFINING



CHEMICAL PROCESSING



ULTRX® Fiberglass Enclosures for stylized control housing



Modular enclosure protects industrial OI systems



Wall-mount and junction boxes for fieldbus, rack and panel mounting applications

Control Enclosures

The challenge of thermal management



Protecting the performance of mission-critical control electronics from temperature-related failure is an area of special expertise at Hoffman. As control system hardware and its enclosure environments become increasingly smaller,

effective thermal management systems—such as passive air flow, fans, chillers, heat exchangers and air conditioning—are essential. Hoffman is a pioneer of research and implementation of internal environmental controls and can engineer solutions designed to work with your controls and environmental demands. Our free Thermal Management Sizing and Selection Software can help you design your cabinets with adequate heat dissipation to ensure performance and protection of your electronics from heat-related failures.

If your enclosure has special requirements such as wellhead or process control panels, internal barriers, hubs, reservoirs, sunshields, deep hinged windows or lift hinges, we'll work with you to co-develop a unique enclosure solution that minimizes cost and maximizes manufacturability.

Hoffman's Modification Services makes it easy to quickly and cost effectively add holes, cutouts, window kits, louvers and thermal management systems and change dimensions. The exact enclosure you need, exactly when you need it. And because you started with a standard, it's priced right.

Built to the world's toughest standards. Our own.

Hoffman products are known for their legendary quality. Precision welds, smooth grinds, square corners, secure doors and latches, perfect finish and tight seals are what you expect and what our high standards demand. Standards that are unparalleled in the industry.

Hoffman's enclosure designs are subjected to demanding performance testing. And to underwrite the standards to which your enclosures are built, Hoffman is the only company with its own UL-certified test lab facilities



in-house to facilitate compliance with all relevant standards, including UL, CSA, NEMA, CE and IEC classifications. Hoffman will also work with you to make a safer, more informed product choice. Our enclosure designs are subjected to the most abusive testing of salt spray, solvents, alkalis, acids, and temperature extremes to ensure that the materials and design meet the performance standards of the ratings specified.

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Go to: www.hoffmanonline.com for Online Specifier's Guide and Tools.

Hoffman makes it easy to get the enclosures you need. Visit www.hoffmanonline.com for online specification tools and a host of technical information to help you choose the right enclosures for your petrochemical controls application. Contact your local sales office via the web site, or call 1-800-355-3560, fax 952-942-6940.