

D-Design Gasket Enclosure System

The **D-Design System** is a major improvement in Network Protector enclosure performance. Traditional gasket systems form a seal by compressing a tubular gasket against a “knife-edge”. Several factors, including over-tightening of door bolts, deformation of the gasket, and insufficient maintenance, make water ingress a common occurrence. The D-Design System combines the following features to create the most advanced and dependable Network Protector enclosure seal ever designed.

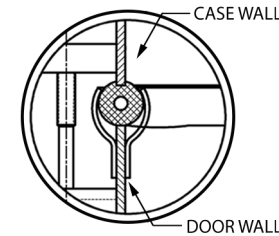
Features & Benefits

- Re-formulated rubber with lower permanent set
- Ergonomic door latch system saves time and effort
- Gasket field-replaceable without removing door
- Continuous gasket — no seam

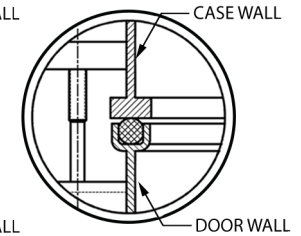
CONTINUOUS/SOLID DOOR GASKET: Specialized molds and presses enable us to produce a continuous gasket without a seam. This eliminates a potential problem spot for water ingress. The gaskets are molded solid (as opposed to extruded) allowing us to produce gaskets with significantly tighter tolerances—tolerances not feasible with extrusions. Lastly, door gaskets can now be field-replaced without removing the door.

REFORMULATED DOOR GASKET COMPOUND: We developed an enhanced material from which we mold our D-Design rubber gaskets. This reformulation greatly improves permanent-set, providing a more dependable gasket.

Standard Design



D-Design



ERGONOMIC DOOR LATCHES: Instead of using the traditional “knife-edge” seal, the D-Design utilizes a welded stainless steel flange. This flange provides a wide, flat surface against which the gasket is compressed. By distributing the compressive forces, we achieve a more reliable seal.

WELDED STAINLESS STEEL FLANGE: Door bolts leave room for potential issues such as uneven/over-tightening, both of which can cause leaking. Pre-set at the factory and adjustable in the field, our door latches provide a field-friendly, ergonomic method for opening and closing the Network Protector door. They are designed to meet or exceed the strength of the door bolts and are 100% compliant with IEEE Std. C57.12.44-2005.

