ProLine G2 Phase 2.1

nVent HOFFMAN

FREQUENTLY ASKED QUESTIONS

PROLINE G2 PHASE 2.1

Question	Answer
What environment would a Type 3R Modular solution be capable of handling, and what makes the Type 3R Industrial Packages different than the standard Type 12 Packages?	A Type 3R solution provides a degree of protection against ingress of falling rain, sleet, and snow, with any entering moisture drained from the enclosure without contacting live component mounting areas: this capability lends the solution to outdoor applications. It is important to note that a Type 3R solution does not protect against splashing or hose-directed water, and is constructed of painted mild steel which is not ideal for corrosive environments. The principal difference between the ProLine G2 Type 3R and Type 12 Industrial Packages is found in the hardware and brackets that are exposed to the outdoor environment. The mild steel hardware and indoor-coated brackets found in a Type 12 Industrial Package would corrode over time; for that reason, the Type 3R Industrial Packages utilize stainless steel hardware and brackets with an advanced coating. Another difference is that the standard keylocking flush swing handle has been replaced with the padlocking flush swing handle for increased security.
Do we need to purchase specific Type 3R Side Covers to enclose the solution(s)?	nVent HOFFMAN is not offering a 3R specific Side Cover, but is instead offering a Hardware Kit to replace the hardware supplied with the current Side Covers. The part number is P2A3RHKSC.
Why did we decide to offer Seismic Industrial Packages as opposed to Seismic Components/Kits?	We defined the threshold performance criteria for an enclosure solution as Zone-4 compliant with a panel load of 1,000 lbs. (454 kgs), when subjected to third party testing in accordance with Telcordia Technologies' Earthquake Environment Criteria GR-63-CORE. In order to support that load in all directions, bracing was required at multiple points within the enclosure. Rather than offer separate bracing kits that require customer installation, HOFFMAN is instead offering a fully assembled solution that reduces customer labor. It also helps direct the customers to enclosure sizes that align with the unit tested (2000H x 800W x 800D), where we have great confidence that a capable solution is being supplied. For reference, enclosures ≤2000mm in height and ≥800mm in both width and depth perform similarly to the unit tested.
What if the customer application requires a seismic solution that is outside the physical dimensions covered in the previous question, or is rack-mount as opposed to panel-mount?	Should a customer application require an enclosure size that is outside the defined size window, we may choose to de-rate the 1,000 lbs. panel load capacity. Consult the factory for specific application feedback. At this point we do not have a rack-mount design we are confident in releasing as a standard product. If an application warrants review, please consult the factory.

Question	Answer
What makes the alternate side-to-side joining kit (P2AJJ) different than the current side-to-side joining kit (P2AJ), and when would it make the most sense to use it?	The current side-to-side joining kit (P2AJ) consists of a nut/bolt combination fastened through frame holes. When the mounting subpanel is in or near the rearmost position, this hardware becomes challenging to access. The alternate side-to-side joining kit (P2AJJ) consists of two-piece brackets that mount on the front-side of the frame verticals. These brackets remain accessible even with the mounting subpanel in the rearmost position. The two-piece bracket design allows the user to join enclosures for population, and then separate for shipment without having to remove the brackets, which saves assembly time in the field. Sealing gaskets are consistent between kits.
What makes the single-piece, tab-mount grid strap different than the standard bracket-mount grid strap, and when would it make the most sense to use it?	As the name indicates, the single-piece grid strap is constructed from a single-piece of steel, and does not require brackets to mount. Lab testing has shown the single-piece grid strap to be capable of handling a greater load than the current bracket-mount design, as well as requiring slightly less installation time. The jogged-tab does sit on the internal vertical of the frame, reducing the number of available mounting holes on the frame, but in most applications this would not be a problem. The single-piece grid strap would also not be capable of vertical installation between horizontal grid straps on the depth plane, as interference between the side cover and grid strap would occur.
What makes the new G2 rack angles different than the current G2 rack angles that were released during the initial product launch?	We received substantial feedback on the inability to mount the G2 rack angles with BV-M6 fasteners as opposed to the traditional cage nut and screw combination. That was addressed with this design change. We also optimized the rack unit count, and therefore height of the rack angles, to align with the G2 frame heights. Please note that there will be an observed height difference between the different G2 rack angle revisions.

MARKETING CONTACTS

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