

CCG VORTEX® Barrier Gland Resin

VORTEX Injection Resin Cartridge Ensure a 100% barrier seal with the CCG VORTEX injection resin cartridge, specifically designed for use with A2EX-VX and E1EX-VX barrier cable glands. The unique two-part, instantly mixed and injected resin flows into all cable interstices, displacing air and preventing the transmission of explosive gases and liquids down the cable. This quick-setting, high-tensile viscoplastic barrier provides a reliable and inspectable seal for hazardous area applications. The resin (Part No. X109-114, 24ml) is sold separately from the glands. Please consult our detailed sizing chart to determine how many glands can be terminated with a single cartridge, optimizing your installation efficiency. The Injection resin flows into all the cable voids and interstices, completely filling the cable end. This forms a 100% barrier to any migration of explosive gases or fluids down the inside of an unfilled hygroscopic cable. VORTEX® barrier glands are tested and fully comply with the latest IEC Ex standards and installation codes of practice.

- VORTEX® liquid resin flows into and fills all the voids in unfilled multi-core cables displacing all air.
- One VORTEX® liquid resin cartridge can terminate multiple glands, see sizing chart below.
- For indoor and outdoor use in hazardous areas.
- Designed specifically for CCG VORTEX® Hazardous Area Glands.
- Instantly mixed and injected resin forms a 100% barrier seal around the individual cable cores.

How to Choose

A common mistake in procurement is ordering one cartridge per cable gland. Because the cartridges are 24ml, a single unit is often sufficient for multiple terminations, depending on the gland size and the cable diameter. For smaller sizes like M16 and M20, you can typically expect to terminate between 5 and 8 glands per cartridge. As the gland size increases, the volume of resin required per entry also increases.

To determine the exact quantity needed for your project, you must refer to the CCG Resin Sizing Chart below. This document specifies the number of glands each 24ml cartridge can terminate. For large-scale installations involving M50 to M75 glands, a single gland may require more than one 24ml cartridge. We recommend calculating the total volume for the entire project and adding a 10% margin for nozzle waste and purging.



Number of Cable Gland Terminations per Vortex 24ml Cartridge



CCG A2EX-VX VORTEX®



Size	Glands per Resin Cartridge
00 - 16ss	8
00 - 20ss	8
0 - 20s	6
1 - 20	5
2s - 25s	5
2 - 25	3
3s - 32s	2
3 - 32	2
4s - 40s	1
4 - 40	1
5s - 50s	0.5
5 - 50	0.5
6s - 63s	0.5
6 - 63	0.5

CCG E1EX-VX VORTEX®



Size	Glands per Resin Cartridge
00 - 16ss	8
00 - 20ss	8
0 - 20s	6
1 - 20	5
2s - 25s	3
2 - 25	3
3s - 32s	2
3 - 32	2
4s - 40s	1
4 - 40	1
5s - 50s	1
5 - 50	1
6s - 63s	1
6 - 63	1