

Johnson Screens Explosion Mitigation Covers

Applications

- Residential Walkways
- Commercial Exterior Footpaths
- Municipal Entryways

Benefits

- Effectively mitigates conditions which commonly lead to explosions in utility tunnels
- Lighter construction than traditional manhole covers, suitable for small crew installations
- Narrow opening width of signature Vee-Wire® material ensures HeelSafe design and effective Foreign/Miscellaneous Ingress Mitigation
- Slip-resistant outer surface per ADA Guidelines improves traction and safety
- Explosion mitigation lock doubles as anti-theft control and requires no special tools for crew entry

Features

- Custom vector-based graphics can be applied to face of grate
- Sizing tool available for non-standard projects
- Design compatible with Americans with Disabilities Act of 1990 (ADA)
- Vee-Wire construction ensures sufficient O₂ flow into grate to prevent buildup of dangerous flammable chemicals
- Two locking mechanisms available for grate: patented foot design, or locking pins



A Clever Solution for a Commonly Neglected Phenomenon

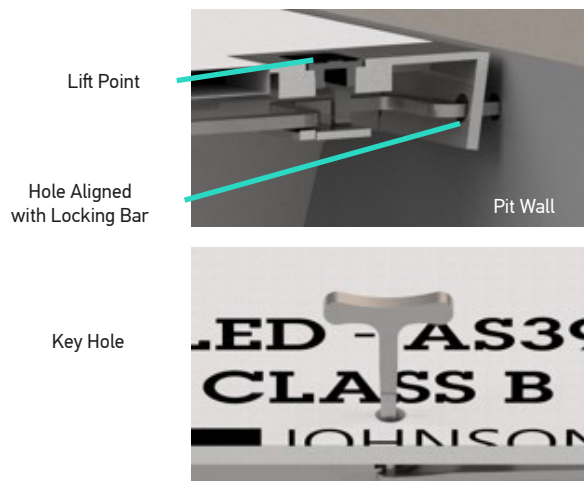
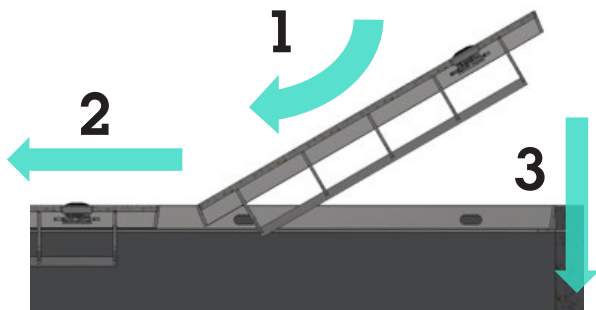
Underneath many cities around the world, utility cables are often forgotten about until they become a problem. The plastic encasing many of these cables typically degrades over time and generates hazardous flammable airborne chemicals that have a tendency to get trapped by traditional manhole covers, where they are allowed to slowly build up and cause expensive (and dangerous) complications down the line.

As the cables continue to degrade over time, sparks from failing cables have all too often resulted in explosions that have blown surface level grates hundreds of feet into the air. In the most extreme cases, this has posed a severe safety risk to anyone in the vicinity of these explosions and falling grates.

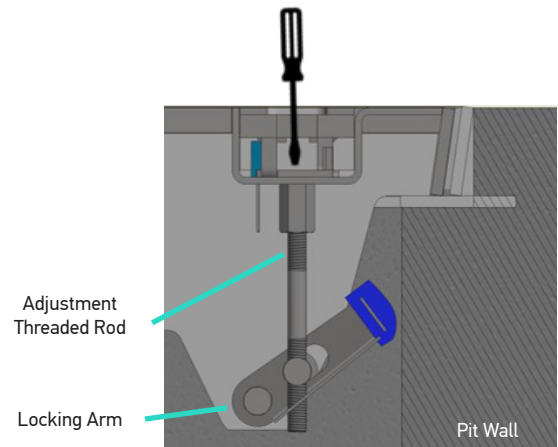
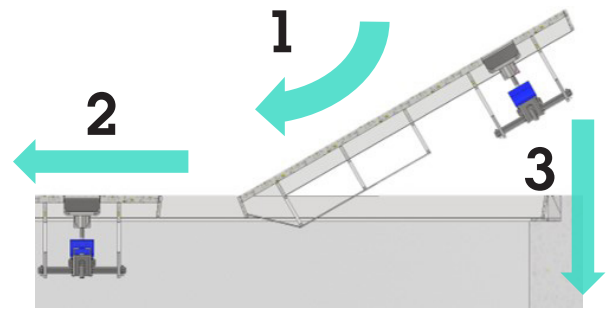
Johnson Screens has the solution for this issue with our Explosion Mitigation Covers. Our signature Vee-Wire is an ideal material for fabricating the grates covering underground vaults, with the secret to success lying in the slot width of the grate itself. Narrow enough to prevent unwanted debris and valuables from slipping through while surviving active subterranean events, but wide enough to sufficiently vent the dangerous buildup of flammable gases, this elegant solution harnesses modern engineering to protect infrastructure and lives.

Two Simple Installation Methods: Lock Bars, and Slip-Resistant Feet

Lock Bar Installation: Requires flat head screwdriver, gatic lifter, and supplied square key. To install, rotate lock such that no protrusion from side bar is present. Lock cover by rotating key inside center hole in cover.



Foot Assembly Installation: Requires flat head screwdriver and gatic lifter. On initial installation, adjust feet until contact with wall is achieved. Only required on initial installation.



Johnson Screens Industrial and Architectural

North and South America
Phone +1 651 636 3900
info.us@johnsonscreens.com

Europe, Middle East & Africa
Phone +33 5 49 02 16 00
info.fr@johnsonscreens.com

Asia Pacific
Phone +61 7 3867 5555
info.au@johnsonscreens.com

johnsonscreens.com

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24-IAS-0065-v2-13-Eng