

EPG CONNECTION NEWSLETTER

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Issue No. 178

In This Issue: Conduit Seal-Offs Fight Corrosion | Conference Schedule

Don't Let This



Become This

EPG Solutions - Conduit Seal-Offs



When installed properly in conjunction with breakout junction boxes, conduit **Seal-Offs** can be a low cost way to protect expensive, mission critical equipment from corrosive and explosive vapors while adding a level of convenience and safety. And although well intended, the additional seal-offs we will identify in the scenarios below may have some drawbacks.

****Seal-offs should be installed in each conduit run between the breakout junction boxes and control panels****

This first photo shows a level sensor junction box with a seal-off correctly placed between the junction box and the control panel to protect vital and expensive components inside the control panel from corrosive and explosive vapors.

The two seal-offs installed between the junction box and riser may protect the less costly junction box but will make it very difficult to remove the level sensors for servicing. If the sensors need to be removed, the leads will need to be cut below the seal-offs, new seal-offs and perhaps a length of conduit replaced. If the sensors still function their leads may now be too short.

In addition, and perhaps more importantly, these junction boxes may not be able to compensate for pressure or vacuum in the sump as intended, resulting in inaccurate level readings.

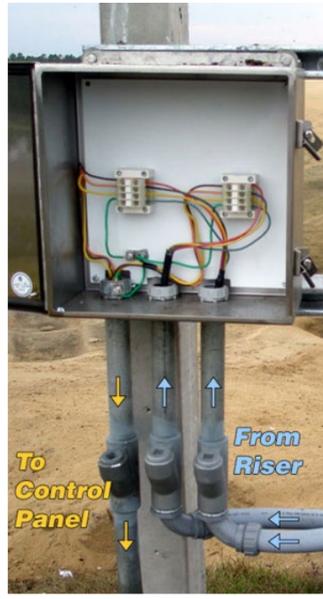


This second photo shows a motor lead junction box with a seal-off also correctly placed between the junction box and control panel.

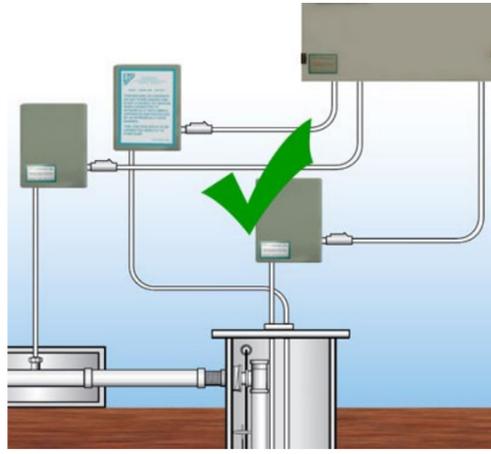
As was the case in the previous example, the additional seal-offs create issues when pulling the pumps for service. The motor leads will need to be cut, shortening lead lengths and creating additional work.

In summary, replacing cable runs between a junction box and control panel results in tremendous cost savings by comparison and further reinforces the value of breakout junction boxes.

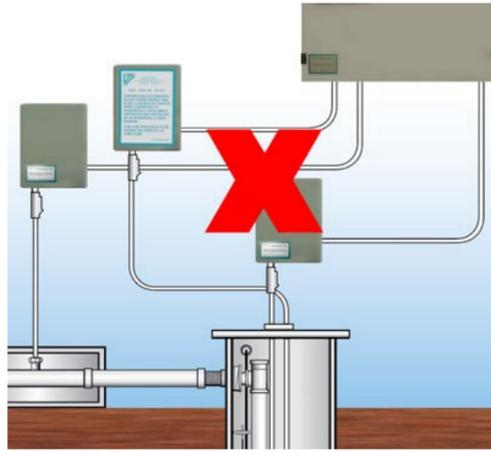
****Seal-offs are effective only if the damming fiber and sealing compound are in place correctly. This is typically the responsibility of the electrician so be certain to check that this has been done.****



Correct Installation (Between Control Panel and Junction Boxes)



Incorrect Installation (Between Junction Boxes and Sump/Riser)



If you have any questions about the information above, please call and ask to speak to one of our Application Specialists 1-800-443-7426.

Industry Events

This list of events is updated each month. We will do our best to keep the list accurate when published.

June 2-4 TCEQ - Environmental Trade Fair and Conference

San Antonio, TX (The Reich Co. Exhibiting)

July 13-15 Missouri Waste Control Coalition

Lake of the Ozarks, MO (The Reich Co. Exhibiting)

Aug 18-20 Wyoming SWANA & Recycling Conf.

Cheyenne, WY (The Reich Co. Exhibiting)

Aug 20-22 Georgia Environmental Conf.

Jekyll Island, GA (The Reich Co. Exhibiting)

Sep 9-12 Tennessee SWANA Conference

Chattanooga, TN (The Reich Co Exhibiting)

Sep 15-17 Colorado SWANA Conference

Fort Collins, CO (The Reich Co Exhibiting)

Sep 22-25 Kansas SWANA Conference

Wichita, KS (The Reich Co. Exhibiting)

Oct 22-24 Arizona SWANA Vendor Showcase

Location TBD (The Reich Co Exhibiting)

Nov 5-7 Nebraska SWANA Joint Conference

Kearney, NE (The Reich Co Exhibiting)

(TBD) Kentucky SWANA Bluegrass Chapter Meeting

(TBD, KY (The Reich Co Exhibiting)

(TBD) New Mexico Conference

(Albuquerque, NM (The Reich Co Exhibiting)

info@epgco.com | 800-443-7426 | www.epgco.com



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