



MAILCALL

Email to Export Accounts
June 11, 2004

Last week, we were asked what the result would be in the Lectrotab actuator if the vent tube became clogged. Actually, nothing much. When the actuator is assembled, the ram is in the retracted position. After assembly, during the testing process, the ram is extended and good ol' Virginia, USA, air is drawn through the vent tube, through the check valve and into the interior of the actuator to equalize the internal pressure which would, without the vent tube, fall to a vacuum. The last step in the testing process is to retract the ram. As this is done, a check valve in the end of the vent tube closes and the air thus trapped inside the actuator is pressurized. This is our patented "second defense" against the intrusion of water.

If the seals incorporated in the Lectrotab actuator remain 100% effective, no pressurized air will ever leak out and therefore no makeup air will ever need to be drawn in. In this case, the vent tube will serve no further purpose during the life of the actuator. However, if a bit of pressurized air were to escape, the next time the ram is extended, a bit of air, equal to what escaped will be drawn in to replace it. This would restore the full 6 to 8 PSI pressurization feature. Now, if the vent tube were clogged, no makeup air could be drawn in, so the pressurization would be less than maximum. Note that the vent tube cannot be clogged inside the actuator nor can it be blocked by kinking the wire. (It can be restricted but not blocked.) The only possibility of blocking the vent tube is at the wire connection end by an insect, careless use of sealer, an errant chewing gum deposit or the like.

So the answer is, blocking the vent tube won't make any difference short term and probably won't matter long term. But it is there to maintain maximum pressurization in the event of any degree of air loss which is one important step among the many steps we have taken to make the Lectrotab product the best we know how to make it.

With our newest international distributor, as introduced in MailCall last week, Lectrotab is now represented in 26 countries by 28 distributors. We are proud to serve this diverse market and extend our sincerest thanks to all.

Today, former President Ronald Wilson Reagan begins his final trip to California where he will rest in the peace he brought to much of the world. By his accomplishments, we feel reassured in our continued quest for peace and goodwill through great strength, good character, sound judgment, a clear objective and a steady course.

More next week but let us hear from you in the meantime. Use mailcall@lectrotab.com for your reply. Our responses will continue to be very quick!

Regards,

L. Jeremy Crews
President