



## **Attention Vortex operators and potential purchasers,**

The Vortex tunnel is a great attraction for a number of family entertainment applications, we can customize to fit specific locations if space is limited. It is recommended that the **area around the Vortex be dark or a structure built around it to make the area dark inside.** The Vortex includes the components to make the attraction work like the rings, the suspension that the rings sit on, bridge, flooring lighting, motor, etc. **The buyer must build a ramp up to the bridge to gain access, and walls around the vortex to secure the machine so patrons cannot come into contact with the rotating Vortex.** Walls on each end are also needed to prevent people from coming in contact with the rotating Vortex. The purchaser can also put curtains at the end of the bridge so outside light doesn't enter the Vortex inside. It is the purchaser's responsibility to check with local requirements for use of the Vortex and requirements regarding ramps. Steps can be used, but the area around the step must be illuminated so patrons can see the step and special markings so the step is more visible. It is HIGHLY recommended to avoid a step when possible. A platform level with the bridge must be installed at each end of the bridge for patrons to walk onto before inclining or descending down from the bridge. IF steps must be used for lack of space they must be after the platform and in an illuminated area with handrails. It is recommended that curtains not be used where the step is located to prevent the step from being hidden.

The **bridge is sixteen inches high** and some locations recess the attraction into the floor to make it a straight walk into attraction. We have a space requirement document on our website for our standard model which shows the minimum clearances around the rotating Vortex. We have a few different upgrades, with our standard model. **With the standard model the buyer purchases the steel pipe to make a standard handrail and we supply the aluminum fittings** like the corners and connectors etc., this is done to save the cost of shipping pipe... We do have a high security handrail system that is highly recommended when young children will be present, it does not require the purchase of any pipe. Please request a picture of the standard railing and the high security handrail. In ALL cases the end of the handrail needs to attach to a permanent structure like the exit wall or floor to reduce movement in the handrail. Excessive movement over time can damage the handrail mounts and possibly cause failure in the handrail. If this happens serious injury can occur if your patrons fall into the rotating Vortex.

We also have a 220 volt motor option for our international customers. We also have a new LED light bar that will operate on 115 volts and 220 volts for our international customers. Domestic customers can also upgrade to the LED lights as well. The LED lights will last longer and are a better quality than normal strip lights. We do need to know the number of hours of operation that the Vortex tunnel will run. If the Vortex tunnel we be operating more than eight hours a day everyday then we recommend the heavy duty model that have steel rings. We do have a motor controller that will turn the Vortex tunnel on and off as patrons approach the Vortex using a motion sensor. This is best when your attraction may be in a slow period. For additional addons, go to <http://vortextunnel.com/addons.html>

We highly recommend signage before entering the Vortex to make your patrons aware that the Vortex generates Vertigo and that the Vortex may not be suited for some patrons. Please read over our safety information on our website for additional information.

Sincerely,  
Alan Tura / GEP owner-president