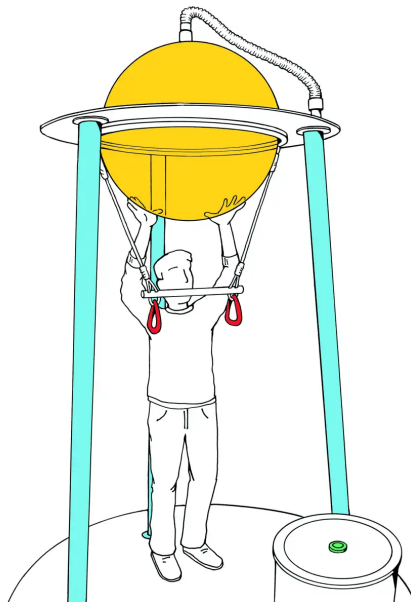


Air clamp

Can you hang on to air?



Push the green button to start evacuating the air from the Plexiglas sphere.

Hold the bottom Plexiglas hemisphere up against the top hemisphere. It should be as airtight as possible.

Wait for the vacuum to form and then pull on the green handles or hang on the bar.

When you evacuate the sphere the bottom hemisphere gets held tightly against the top – or more precisely: the higher atmospheric air pressure pushes the bottom hemisphere up.

The difference of pressure inside and outside of the sphere is strong enough to hold you hanging on the bar.

Pressure is the relation of force per area. Given a certain suction pressure for the vacuum cleaner you need a fairly large sphere diameter to hold the body's weight.