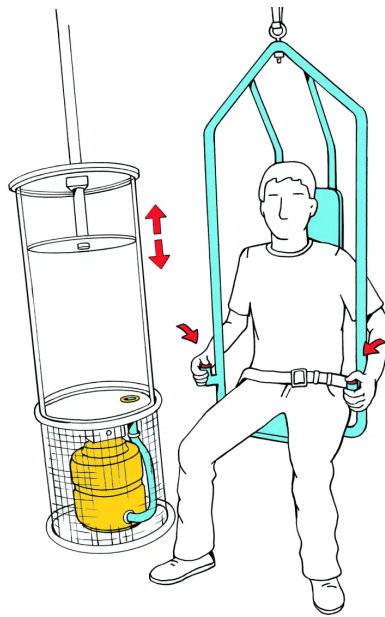


Vacuumlifter

Can air pull you up?



Fasten your seat belt.

Push both yellow buttons simultaneously and notice the large Plexiglas cylinder next to you.

Observe the piston in the cylinder. Does it move immediately when you switch on the vacuum cleaner?

Compare with other visitors, how fast persons with different weight can be lifted.

The vacuum cleaner draws air from the Plexiglas cylinder underneath the piston. The piston is pushed down by the atmospheric air pressure.

The piston transfers the overpressure into a drag force. The diameter of the piston is crucial for the lifting.

If the diameter was bigger the lifting strength would be higher. But you would have to pump for a longer time.