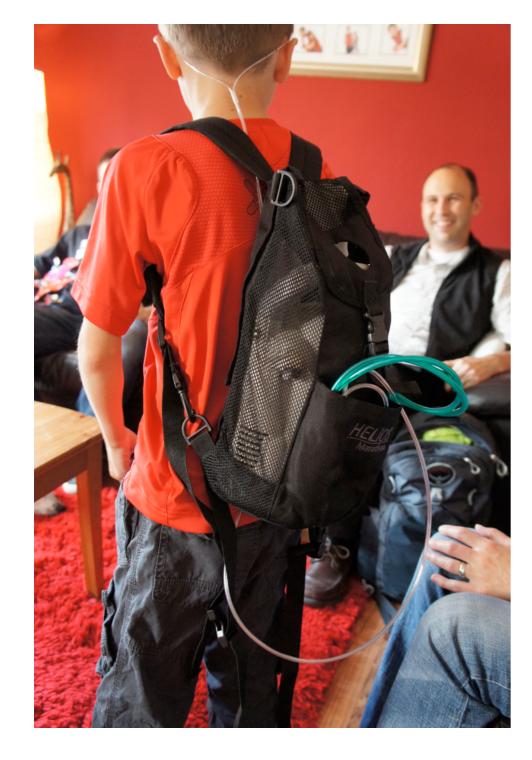
Background

The user suffers from interstitial lung disease, where the spaces around the air sacs of the lungs are swollen and incapable of bringing oxygen into the body themselves. The user therefore needs an almost constant supply of oxygen, usually around 25ml per minute. A portable supply of liquid oxygen is carried on the child's back in a small rucksack.



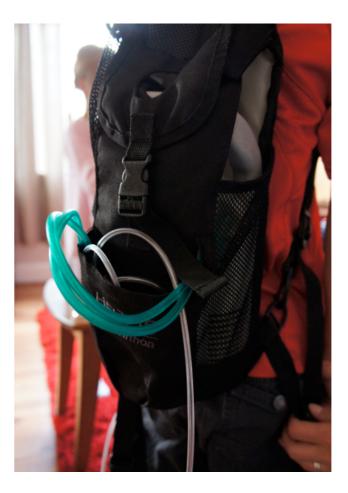








The Helios oxygen



Mesh material is needed around the vents of the oxygen supply to allow air intake. The Helios must be kept either upright or completely flat, otherwise it can cause freezing. The tubes must exit the Helios at the right angle or kinks can cause the flow to stop. A hole has been cut in the bag for this purpose. The excess tube is stored in the front of the bag and then fed behind the bag.

