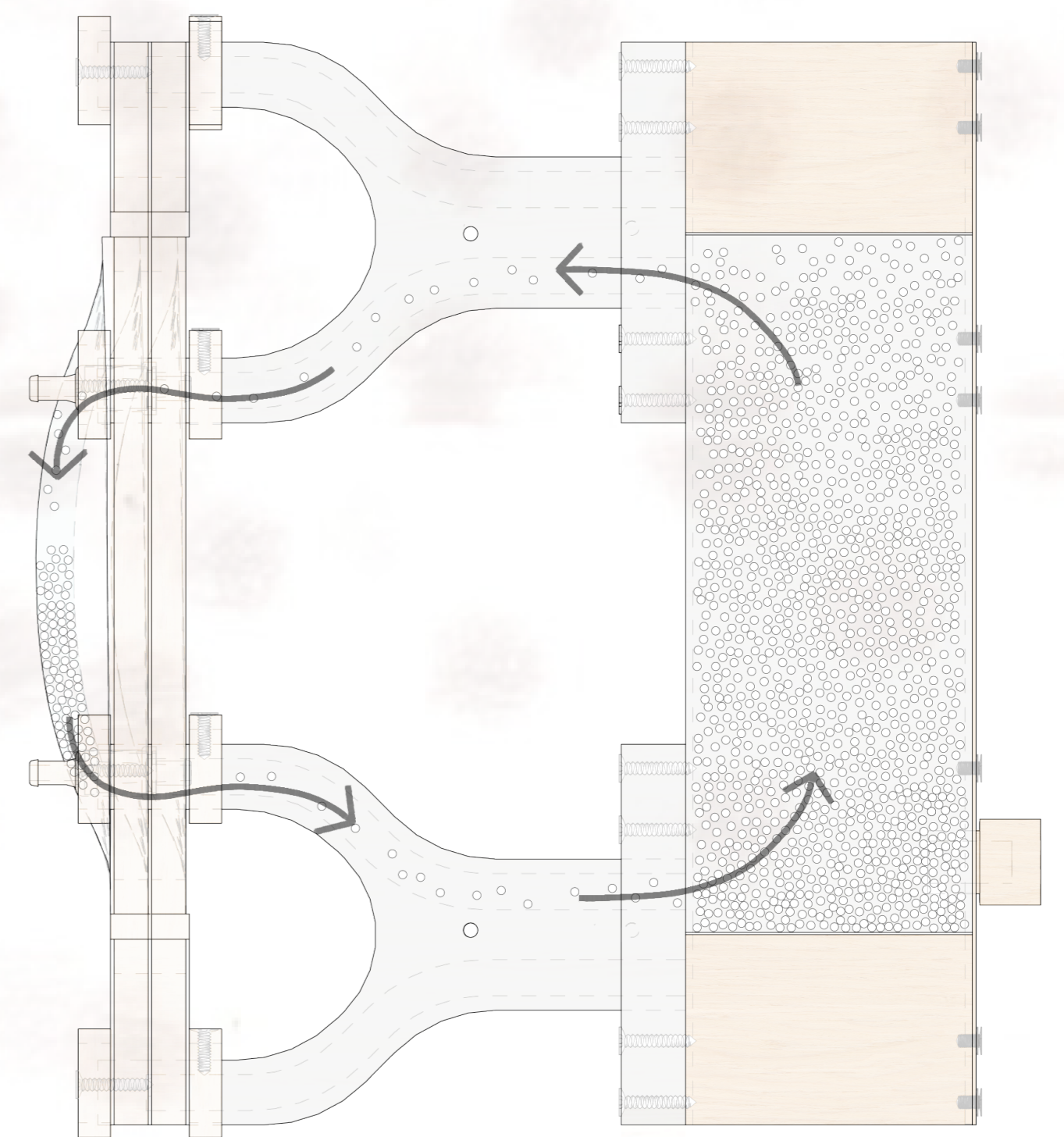


A particular shade

Particle based sunshading for point held glass systems



Complex multidirectional bent glass facades: systems with little to no sunshading options. Introducing the particular sunshade, or Parshade for short, an exemplary product for such buildings. Parshade works by using **compression** and **suction** in order to move particles, as the schematic to the right illustrates. Using compression, particles flow from the storage through the spider into the glass cavity. Using suction, they return to the storage. The system is **adaptable** to any shape of window, provides additional **insulation** and the particles can be **colored** to fit the building. Completely **unobtrusive** when open and with **unique aesthetics** when closing, with its **rapid closing speed**, Parshade is a promising alternative to more regular types of sunshading systems.



Schematic section drawing of the system



QR code to the presentation video

Parshade was tested by making a 600x600 mm **prototype**, which can be seen in action using the QR code to the right. In reality, the glass panes can have sizes up to 3 m and the system will be made out of a metal construction instead of wood, as also can be seen in the image below and in the video.



parshade