

SCIENCE Blower to pipe



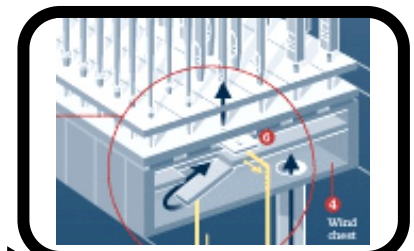
1. The BLOWER is a motor which pushes air through a regulating valve into the reservoir.



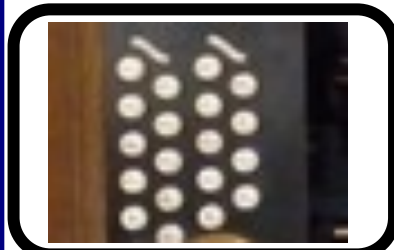
2. The RESERVOIR keeps the air pressure steady and feeds the wind trunk.



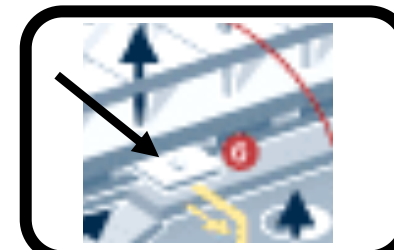
3. The WIND TRUNK takes the air to the wind chests beneath the organ pipes.



4. The WIND CHEST has stops, sliders and pallet valves to control air flow to the pipes.



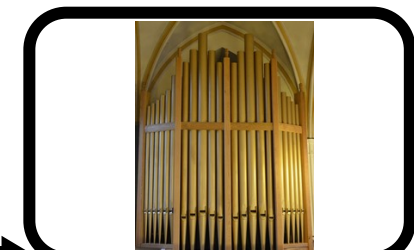
5. The STOPS are pulled out by the organist to open a rank of pipes by moving the slider in the wind chest.



6. The SLIDER is a strip of wood with holes that allow air to pass up to a row of pipes when the stop is out.



7. The KEYBOARD and PEDALS are played by the organist to open the pallets, valves that let air to each key channel



8. The PIPES then produce the sound - the smallest pipes produce the highest notes.