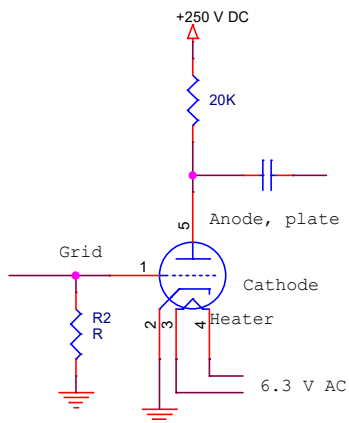


+V Conducts more  
-V Conducts less.



The heater heats the cathode causing it to radiate electrons. The high voltage on the plate attracts the electrons. A negative voltage on the grid repels this flow of electrons, decreasing current through the tube.

A few volts on the grid at no notable current controls a higher voltage and current on the plate. Operation is much like a field effect transistor.

Title		
Vacuum tube basics.		
Size	Document Number	Rev
A	Design 1922	1
Date:	Wednesday, August 18, 2021	Sheet 1 of 1