π FILTERS

In a π filter an inductor and capacitor are added for additional filtering. Here the voltage across the first capacitor is found from above and the voltage across the second capacitor is found by the following:

$V_2 = V_1 \times 1.77/LC_2$

V_2 = Voltage across C_2
V_1 = Voltage across C_1
L = Inductors inductance in henries

For a 60 Hz full wave rectified input C_1 and C_2 expressed in microfarads.