

An AC/DC TIG inverter fine tunes the weld bead profile by controlling arc cone shape and arc force. Think of an inverter like adding a nozzle to a fire hose; it lets you change the shape and force of the “water” (welding current) from a wide fan to a more focused stream. But instead of turning a nozzle, you adjust balance control and output frequency.

Balance control adjusts the ratio of electrode positive (EP) to electrode