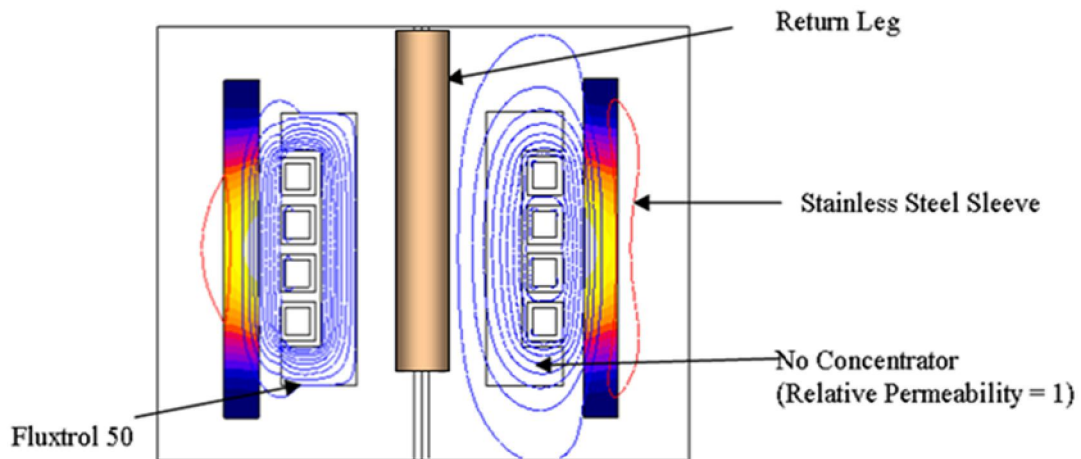


Example of Magnetic Core Influence on Parameters of I.D. Coil



With the same pipe power, application of core reduced coil current from 2000 A to 900 and corresponding reactive power from 65.8 to 30.2 kVAr.

Electrical efficiency of the coil increased from 69% to 84%. Coil head voltage remained almost the same (5% increase).