

Toroidal Field Coil for IGNITOR



MAGNETS
FOR FUSION



MAGNETS FOR HIGH
ENERGY PHYSICS



MAGNETS FOR
MEDICAL
APPLICATIONS



SYSTEMS
FOR ENERGY



SERVICES & REPAIRS

The IGNITOR Tokamak needs 24 toroidal coils: the Company in 1995 has built the first one of these coils, under an ENEA contract.

Each coil has 10 hard copper turns, having 20 mm thickness, to withstand high mechanical stresses.

Feeding current is 320 KA and working temperature is 30 K: cooling is made with helium.



Type of winding	bitter like
Nominal peak current	350 KA
Conductor	copper plates 20 mm x 230 mm
Type of cooling	cold helium gas (30 K)
Coil weight	4000 Kg