

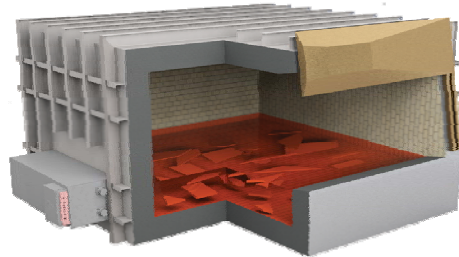
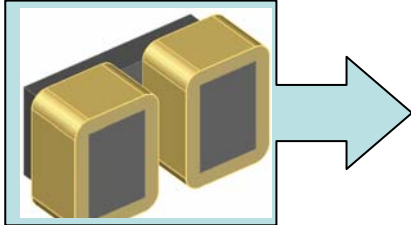
6.10. ELECTROMAGNETIC LIQUID METAL MIXER WITH PULSATING MAGNETIC FIELD FOR MELTING UNITS

Purpose – mixing of metal melt in furnaces for melting and preparation of aluminum alloys.

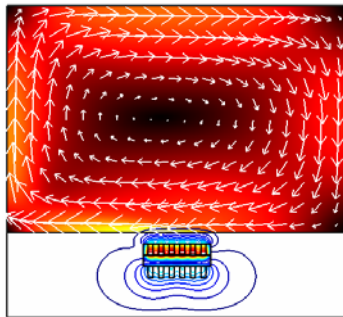
Technical specifications:

Power, kVA	250	Overall dimensions, m	1x1x0,6
Supply voltage, V	3x380	Weight, kg	600
Current frequency, Hz	50		

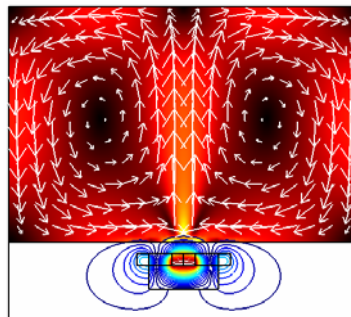
Inductor of pulsating magnetic field



Melting furnace



A motion of the melt under the action of a traveling magnetic field



A motion of the melt under the action of a pulsating magnetic field

Advantages

Due to the creation of a two-circuit flow of liquid metal in the furnace, compared to a traveling magnetic field, the melt is mixed more efficiently, which contributes to improving its quality and increasing the efficiency of metallurgical equipment.