

A high-voltage transformer contains a metal tank with stacked magnetic circuit inside which central core has cylindrical conductive winding with secondary leads fixed at panel. There is full of oil insulating envelope installed on tank. Above the envelope there is oil conservator tank with air contact protection flexible inner shell. Oil drain device is executed in lower part of tank. In addition, the transformer is provided with metal frames, tension elements, studs, insulating washers, contact plate and respiratory device. From top and below horizontal positioned magnetic circuit is tighten by metal frames in vertical plane with vertical tension elements. The lower metal frame is fixed at the tank with studs. The ends of magnetic core are provided with insulation washers. The secondary leads box included the secondary leads panel is formed by top sides of tank. The contact plate is fixed under the oil conservator and represents the linear output of the transformer. The respiratory device is set above the oil conservator.