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The invention relates the to electrical engineering, namely, to the electrical divices for electric apparatus cooling, preferably high voltage power transformers and x-ray radiator filled with the dielectric liquid.

Presence of the needle 3, mounted coaxial on the tube 2 and 5 of the cooling radiator and connected through the rectifier 4 to the high voltage transformator 1 winding, creates the complementary liquid pressure into the radiator that in comparasion with the natural convection leads to heat exchange intensification and maximum half as great temperature decreasing.

Presence of the channel 6, directed from the radiator to the heat conducted sectors also leads to temperature decreasing, that increases the transformer resources and specific power thereof.