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The invention relates to a device for ionization of the air and combustible gases before mixing thereof and may be applied in the power plants.

The device for gas ionization, according to the invention, includes an outer electrode, made in the form of a hollow cylinder, the inner surface of which is covered with a layer of electrical insulating material and an inner electrode, placed coaxially with the outer electrode and consisting of a central electrode and electrodes, made in the form of wires, the ends of which are fixed into two disks, fixed onto the central electrode, one of which is made of current-conducting material, and the other of an electrical insulating material, at the same time the central electrode is connected to ground by means of a variable resistance. The result consists in increasing the amount of ions in the gas flow.

Claims: 1

Fig.: 1