

Cottrell filter contains housing with input and output ducts for cleanable gas, corona and precipitating electrodes. Precipitating electrodes are formed by rows of shaped lamellar elements executed in the form of series-connected plates, each of which is perpendicular to preceding one. End plates have identical length, and lamellar elements in the row are established with a clearance between them with formation of through channels for passage of gas. The corona and precipitating electrodes are established between the branch pipes in parallel to gas flow. In the rows of the shaped lamellar elements of precipitating electrodes the end plates of lamellar elements are located in parallel to the longitudinal plane of symmetry of precipitating electrode, and at identical distance from it.