

### 95-0306

The invention relates to devices for regeneration of organic solvents and can be applied in chemical, radioelectronic industries.

The organic solvents regeneration apparatus contains an evaporator (1), a mass exchange (3) fixed above the evaporator with a cover (4), made in the form of earth vertical pipes (15) inside of which coaxially are placed high-voltage electrodes (23) connected to the high-voltage bushing (7), a dephlegmator (5) with a capacitor (6), branch pipes for the initial liquid supply (8), for the impurities overflow (10), for reflux feeding (11) and for the regenerated solvent output (9). The pipes (15) are fixed in tube plates (16, 17), in the lower tube plate being made a recess (20), inside of which is placed a centring isolator (21), in the upper part of the mass exchanger is installed a collector, the bottom of which serves as the upper tube plate (16) and on its inner side walls around the perimeter is fixed a chute (19) for reflux uniform feeding the upper edge of the chute (19) being placed above the branch pipe level for reflux feeding (11) from the phlegmator. The upper ends of the electrodes (23) are fixed on the arm (24), installed on the centring high-voltage bushing (7) and the lower ends are fixed on the arm (22) installed on the centring isolator (21).

The technical result consists in the reflux uniform distribution on the device section and the liquid fine dispersion into the steam vapors flux.

