

This invention relates to thermal decomposition apparatuses for waste thermal utilization, in particular, to apparatuses for utilization and disinfection of infected medical waste, and organic solid domestic, industrial and agricultural waste; for thermal utilization of dead animal bodies or other bio-mass; it can be used in medicine, municipal economy, chemical, oil-chemical and other areas of industry for hydrocarbons regeneration to liquid, gaseous and solid fuels. Apparatus for utilization of infected syringes has reactor, combustion chamber with burner for fuel, unit for the thermal decomposition gases discharge, this includes condenser and distribution vessel, with its upper part connected to the combustion chamber, and smoke duct; it is equipped with reservoir for fuel installed in the compartment of the smoke duct and connected to the lower part of the distribution vessel; additional burner, this is arranged as a ring going round the burner for fuel and connected to the upper part of the distribution vessel; air duct, this connects the section of the smoke duct to the burner for fuel and systems for controlling the reactor heating and hot air pumping through the section of the smoke duct; at that the reservoir for fuel is connected to the burner for fuel by means of two arranged in parallel in the air duct sliders, one of those is equipped with electro-magnetic drive; in the upper and the lower parts of the smoke duct sections sliders are installed.