

A device for heat recovery of waste flue gas of compower stoves includes recuperators for heating of fuel gas and air combustion, flue ducts of waste discharge flue gases after heat exchangers, gas and air feeding pipe lines to heat exchangers, fuel gas and air withdrawal pipe lines after heat exchangers, chimneys for evacuation of fumes from heat exchangers, a throttle body mounted on a bypass between the inlet and the outlet of the heat exchangers of gas combustion air, consisting of tubular sections. Each heat exchanger has an additional section in which there is a left main section coupled via duct with the right main section.

Additionally comprises a regulating throttle body mounted on the fume inlet of the additional section, a mixing fume chamber and a regulating throttle of automatic temperature stabilization system under the dome of air heaters in the heating period.