

A unit for fuel burning, mostly in combustion engines (CE), that includes equipment for injection of air saturated with oxygen, it consists of centrifugal-electromagnetic separator that has body with air channel, rotor, heater and electric magnet. At that nitrogen and oxygen from air are distributed to two separate collecting spiral chambers for different pressures, differential throttle installed in discharge channel of the nitrogen collecting spiral chamber. New technical result is in provision of extremely low material consumption of CE, activation of chemical reactions of fuel oxidation, increase of effectiveness of process of fuel burning, efficiency, decrease of fuel flow rate and toxicity of worked-out gases.