INFRARED GAS BURNING DEVICE DEVELOPING BASED ON TWISTING EJECTOR

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There exist a number of methods for heating of materials and machine elements. But radiation method is the most effective and economical one out of them i.e. transfer of heat energy from it is source (generator) to the object by means of radiation. With regards to this infrared radiation has got the greatest interest. The heat generated by the radiating surface is similar to the sun. The gas is burning in the combustor where, heated to the specific temperature, forms a heat flux (wave radiation of infrared spectrum), directed to the heat source or to the object directly. Infrared ray falling to the surface (floor, objects, equipment) heats the surface. The air in the hot zone is heated for the second time by the heated surfaces. Heat waves immediately form comfortable microclimate in the zone.