

The invention relates to the foundry production, namely to the methods of producing the castings in the sand molds. A method includes gas rarefaction in the sand of form, teeming of metallic fusion into the die cavity, cooling with supply of refrigerant to the individual parts of the casting. Prior to supply of refrigerant the sand is removed from said parts or surfaces of casting. As the refrigerant freely moving air or airflow with dispersed water can be used, or gas, which chemically interacts with the metal, or airflow generated by absorption of air into the mold by rarefaction and partial decompression of mold. The exposed surface may be protected against entry of sand by installation of a branch pipe with end openings of adjustable gas permeability. The method makes it possible to form on casting the areas or coatings with different properties.